

19980728.qrp v01_n166.qrs.980728

Date: Tue, 28 Jul 1998 19:03:16 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1166

QRP-L Digest 1166

Topics covered in this issue include:

- 1) [16241] Re: ARS Sojourner
by Ed Loranger <we6w@qsl.net>
- 2) [16242] F.S.
by K4NK@AOL.COM
- 3) [16243] Re: ZOMBIE badge update
by Ed Loranger <we6w@qsl.net>
- 4) [16244] W5YI / NCI Ramblings (FYI)
by aa8yo@juno.com (Robert J Fox)
- 5) [16245] Re: LMC662CN-ND group buy
by Paul Helbert <phelbert@rica.net>
- 6) [16246] Re: ZOMBIE badge update
by Joe Gervais <vole@primenet.com>
- 7) [16247] "Flight of the Bee"
by "Dan Wolfe" <n4roa@mounet.com>
- 8) [16248] BB #45 - WD3P or "Son I forgot the rig"
by wd3p@juno.com (Larry Cahoon)
- 9) [16249] RE: ZOMBIE BADGES
by Ed Loranger <we6w@qsl.net>
- 10) [16250] Re: Zombie Badges
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 11) [16251] Re: W5YI / NCI Ramblings (FYI)
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 12) [16252] Bee#38 Biked, Walked & Hiked
by "Steve Galchutt" <n0tu@webaccess.net>
- 13) [16253] Travel Antenna
by cjcole <cjcole@ames.net>
- 14) [16254] Re: 6 meter homebrew
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 15) [16255] '98 Bumblebee Flight - Most Got Away!
by SMurph555@aol.com
- 16) [16256] Re: Travel Antenna
by Mike - W0TMW <crucis@sky.net>
- 17) [16257] Re: QRP-L CD-ROM
by n5inz@juno.com (John M Andrews)
- 18) [16258] W0CH Ozark Bumblebee Report
by "David Bixler" <DBIXLER@hs.seneca.k12.mo.us>
- 19) [16259] Kit suggestions

- by beaks@westco.net
- 20) [16260] Buzzin' around the bumblebees
by Joseph Everhart <n2cx@voicenet.com>
 - 21) [16261] Looking for Argonaut 509 S/N 509-4580 (has green dial lights)
by frohro@wwc.edu (Rob Frohne)
 - 22) [16262] Elme101:Phones in series
by penzo@juno.com (Michael A Penzo)
 - 23) [16263] NorCal's August Meeting Announcement
by Jerry Parker <jparker@fix.net>
 - 24) [16264] Travel Antenna from measuring tapes
by "Jim Larsen (AL7FS)" <larsennnc@alaska.net>
 - 25) [16265] to much mail
by RangerSF5@aol.com
 - 26) [16266] RE: VCRs as parts source (and they're free!)
by "Roy Lincoln" <wa4dou@mailexcite.com>
 - 27) [16267] New Call Sign
by Duncan Mac Donald <macdondd@cadvision.com>
 - 28) [16268] L/C Meter el cheapo way
by PDouglas12@aol.com
 - 29) [16269] Free parts... odd places...
by Chris Cartwright <ccart@dns.vidtel.com>
 - 30) [16270] R-X Noise Bridge
by kf4dvv@juno.com (Daniel J Tarter)
 - 31) [16271] Re: ARRL Zombies was: Re: Porposal?
by John Moriarity <k6qq@hdo.net>
 - 32) [16272] Your favorite QRP T/R switching arrangement?
by Rob Frohne <frohro@wwc.edu>
 - 33) [16273] Re: Travel Antenna from measuring tapes
by Dave Medley <wn8vot@misi.net>
 - 34) [16274] Elmer101: Tweaks
by PGSPersEng@aol.com
 - 35) [16275] Re: New Call Sign
by Tim Ahrens <tahrens@inetport.com>
 - 36) [16276] OTHER sources of parts (besides VCRs)
by Mighty Mik <mitymik@hooked.net>
 - 37) [16277] MVAM108 pinout?
by "Steve Galchutt" <n0tu@webaccess.net>
 - 38) [16278] Adding a keyer to the TS-50
by Dave Fifield <fifield@pacbell.net>
 - 39) [16279] Re: BD139 as HF final amplifier
by Leon Heller <leon@lfheller.demon.co.uk>
 - 40) [16280] Motorola Transistor Part ID
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
 - 41) [16281] IC706 MKII DSP Unit
by Jack Bennett <J.Bennett@lboro.ac.uk>
 - 42) [16282] Re: homebrew test equipment ideas needed
by Leon Heller <leon@lfheller.demon.co.uk>
 - 43) [16283] THANKS

by "Donald G. Dorn" <DDORN@swbell.net>
44) [16284] QRP on Choke Cherry island
by Jim <kj5tf@madisoncounty.net>
45) [16285] Re: Antenna Help - NEC4WIN
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
46) [16286] unsubscribing to GQRP-L
by John Mckee <JMckee@RFMD.com>
47) [16287] FYI
by Brad Mugleston <bmug@gwl.com>
48) [16288] Re: FYI
by Monte Stark <ku7y@dri.edu>
49) [16289] Re: FYI
by "Vincent Ferme" <vferme@sprint.ca>
50) [16290] Re: New Call Sign
by Bruce Rattray <rattray@gpfn.sk.ca>
51) [16291] Windows logging and TNC and radio control
by "Jeff M. Gold" <JGold@tntech.edu>
52) [16292] BB results, de N4UY
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
53) [16293] Re: High Altitude HALO jump is * A GO* / and BB Event...
by KB0VCC/1 <kb0vcc@rocketmail.com>
54) [16294] Need Datong FL-3 Manual
by "James R. Duffey" <ji3m@maxwell.com>
55) [16295] Ft. Tuthill Hamfest
by "James R. Duffey" <ji3m@maxwell.com>
56) [16296] Need Datong FL-3 Manual
by "James R. Duffey" <ji3m@maxwell.com>
57) [16297] Parking Lot Portable Vertical (PLPV) (Long)
by Sam Billingsley <SBillingsley@usaninc.com>
58) [16298] Re: [CW] FYI
by "George T. Baker" <w5yr@swbell.net>
59) [16299] Solar Info / SOHO
by Charles Kadesch <chas@digizen.net>
60) [16300] Ft Tuthill Hamfest/QRP Activities
by Bob Hightower <ki7mn@dancris.com>
61) [16301] N6MM Bumblebee report
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
62) [16302] RE: [CW] FYI
by Brad Mugleston <bmug@gwl.com>
63) [16303] Re: Need Datong FL-3 Manual
by "George T. Baker" <w5yr@swbell.net>
64) [16304] Re: Need Datong FL-3 Manual
by "Vincent Ferme" <vferme@sprint.ca>
65) [16305] Old Book, Modern Radio Comm, 1941 ; FREE
by Tom McCuen <tjmc@erols.com>
66) [16306] RE: Tnx Mike/KU4Q0: what a group!
by aweiss@usd.edu (A. Weiss)
67) [16307] Re: Elmer101: Tweaks

by adams@chuck.dallas.sgi.com (Chuck Adams)
68) [16308] Re: New Call Sign
by adams@chuck.dallas.sgi.com (Chuck Adams)
69) [16309] FS: QRP++
by "Jim Johnson" <km7h@gte.net>
70) [16310] K5ID, Ken I believe
by bens@valint.net
71) [16311] Elmer200: Data Book for HB
by adams@chuck.dallas.sgi.com (Chuck Adams)
72) [16312] Travel Antenna - Masuring tapes de AL7FS
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
73) [16313] Re: BD139 as HF final amplifier
by Guy MARCHAL <guy_marchal@hotmail.com>
74) [16314] Re: Elmer200: Data Book for HB
by "Vincent Ferme" <vferme@sprint.ca>
75) [16315] St. Louis Vertical
by Robsparks@aol.com
76) [16316] WTB DeMaw toroid book
by "Richard E. Robinson" <rerobins@email.uncc.edu>
77) [16317] Re: GQRP - QRP-NET
by George Gingell <k3tks@u1.abs.net>
78) [16318] SW40+ for trade; MFJ-259 to sell
by gsurrency@juno.com (Gary L Surrency)
79) [16319] what band?
by chris cieslak <ccieslak@CUTTER.AGE.UIUC.EDU>
80) [16320] 1 micowatt to 1 Kw power meter
by Steven Weber <kd1jv@moose.ncia.net>
81) [16321] Antenna Talk, MFJ Books
by adams@chuck.dallas.sgi.com (Chuck Adams)
82) [16322] RE: WTB DeMaw toroid book
by Tracy@bytemark.com (Tracy)
83) [16323] Re: Antenna Talk, MFJ Books
by Ed Loranger <we6w@qsl.net>
84) [16324] a fun project a better rig (long)
by Davewb4@aol.com
85) [16325] RE: 1 micowatt to 1 Kw power meter
by Conrad <radman@best.com>
86) [16326] BB #28 Flight / Trip Report
by W9SUL <pugrad@millcomm.com>
87) [16327] Argonaut II
by w4bld@juno.com (Robert B. Kerby)
88) [16328] New Reciever
by tmjpain@mindspring.com (Tom Lundeen)
89) [16329] Re: GQRP - QRP-NET
by "John D. Spittle" <jds@vcn.bc.ca>
90) [16330] BumbleBees
by k7sz@juno.com (Rick Arland)
91) [16331] Elmer200: Circuit Construction

by adams@chuck.dallas.sgi.com (Chuck Adams)
92) [16332] Re: Free parts... odd places...
by "John J. McDonough" <jjmcd@tm.net>
93) [16333] LMC662CN-ND sold out
by Paul Helbert <phelbert@rica.net>
94) [16334] Pacificon CW Tests Prelims
by adams@chuck.dallas.sgi.com (Chuck Adams)

Date: Mon, 27 Jul 1998 22:57:10 +0000
From: Ed Loranger <we6w@qsl.net>
To: k4pym@carol.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16241] Re: ARS Sojourner
Message-ID: <35BD05C6.7EA7@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<http://www.natworld.com/ars/>

Just visited and works fine.
I hope the URL above does the job for you.
72 es GL OM.
-Ed

George F. Allgood wrote:

>
> I am not able to reach the ARS SOJOURNER Webb site. Keep getting an
> error
> message. Anyone know why or how to fix?
> George K4PYM

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Mon, 27 Jul 1998 18:58:28 EDT
From: K4NK@AOL.COM
To: qrp-l@Lehigh.EDU
Subject: [16242] F.S.
Message-ID: <ded776e3.35bd0615@aol.com>
Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Thanks to all who enquired. The HW-8 is sold. I will keep others info if deal goes bad.

72 Les K4NK

NOW..how about somebody talk to me about the ICOM HT's.....

Date: Mon, 27 Jul 1998 23:00:40 +0000
From: Ed Loranger <we6w@qsl.net>
To: RangerSF5@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16243] Re: ZOMBIE badge update
Message-ID: <35BD0698.32D@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

RangerSF5@AOL.COM wrote:

>
> In a message dated 98-07-27 18:27:10 EDT, you write:
>
> <<
> You do NOT have to be a NorCal member to get one. You do not have to
> be a U.S. citizen. They are for fun and anyone who wants one. We
> even gave a few out to the lovely wives at Ft. Tuthill who asked.
> >>
> Paul,
> What if your not from EARTH?
> Bob
> WA2HOQ

It will arrive safely at the incoming Buro, Planet Zekor, via
Zombie Flight 106 which leaves Earth on the 32nd of each month.

72!

Zombie #106 AKA Ed/WE6W

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Mon, 27 Jul 1998 19:09:21 EDT
From: aa8yo@juno.com (Robert J Fox)
To: qrp-1@Lehigh.EDU
Subject: [16244] W5YI / NCI Ramblings (FYI)
Message-ID: <19980727.180526.15847.0.aa8yo@juno.com>

Gang,

I thought you would be interested in reading the following from
our beloved friend Fred / W5YI of No Code International fame.

Pay particular mind to the "T0: list"

Please no flames here - this is strictly FYI !!!!!

73 - Bob / AA8Y0

> To: RAC <rachq@rac.ca>, Fred Laun K3ZO <aalaun@ibm.net>,
> QCWA <jwalsh@teleport.com>, Joe Speroni
> <Joe@Speroni.com>, Standard <sales@stdradio.com>, Paul =

> Williamson <kb5mu@amsat.org>, Cushcraft
> <hamsales@cushcraft.com>, Armond Noble <n6wr@ns.net>,
> ADI <premier@adi-radio.com>, Lew McCoy <mccoy@zianet.com>, =

> Maha-Rexon <dealer@maha-comm.com>, Nancy Kott <nancy@tir.com>, =

> Ham Radio Outlet <sales@hamradio.com>, Peter =

> Trotter <MasterPubl@aol.com>, Trionics <triceo@trionics.com>, =

> Lentini <Radio@lentinicomm.com>,
> Rachel Baughn <rachel@grove.net>, Hamtronics
> <jv@hamtronics.com>, Rich Moseson <CQVHF@aol.com>,
> Hy-Gain <hygain@telex.com>, Tony Smith <tony@morsum.demon.co.uk>, =

> Tom Blackwell <radio@airmail.net>, Wayne
> Overbeck <woverbeck@ccvax.fullerton.edu>, Win Guin
> <WinGuin@worldnet.att.net>, "KComm, Inc."
> <kcomm@connecti.com>, Benn Kobb <bkobb@newsignals.com>, =

> TAPR <tapr@tapr.org>, Bill Pasternak <wa6itf@juno.com>, =

> newslines@ix.netcom.com, Robert Miller <Bob@TechAm.com>, =

> NTX <ntxcom@comcell.net>, Carole Perry <wb2mgp@ix.netcom.com>, =

> Steve Roberts <wordy@qualcomm.com>, Len Winkler
 > <lenwink@goodnet.com>, Kenwood
 > <inquiry@kenwoodusa.com>, FCC Info <hamcomm@fcc.gov>,
 > Chip Margelli <yaesu@worldnet.att.net>, "Martin F. Jue" =

> <mfj@mfjenterprises.com>, Buckmaster <info@buck.com>,
 > "Assoc.Radio" <sales@associatedradio.com>, Art Bell
 > <artbell@aol.com>, RF Components
 > <walter.zapata@rfcomponents.com>, Kantronics
 > <sales@kantronics.com>, "Jun's" <juns@dxnet.com>, Radio =

> Works <jim@radioworks.com>, Hap Holly <hap@rainreport.com>, =

> Radio City <radiocty@skypoint.com>, Alinco <alinco@alinco.com>, =

> Texas Towers <sales@texastowers.com>,
 > Popular Communications <popularcom@aol.com>, HandiHam
 > <handiham@mtn.org>, Gordon West <swmeow@aol.com>, Ham
 > Radio Online <vbook@vbook.com>, RT Systems <sales@rtsars.com>, =

> "PC Elect." <tomsmb@aol.com>, Don Stoner <donstone@gate.net>, =

> "Barry Elec." <barry-electronics@compuserve.com>, =

> Radio Place <glenn@radioplace.com>, Kachina
 > <sales@kachina-az.com>, TAPR <wd5ivd@tapr.org>, Ten-Tec =

> <sales@tentec.com>, "Hooper Elec."
 > <hooperele@juno.com>, AMSAT <kb1sf@amsat.org>,
 > "Am.Elec.Sup." <help@aesham.com>, Universal Radio
 > <dx@universal-radio.com>, Gap Antenna
 > <gap@gapantenna.com>, "Mikes Elec."
 > <exporter@altavista.net>, YV-5 Comm <yv5comm@aol.com>, =

> "SGC Inc." <sgc@sgcworld.com>, RF Parts <rfp@rfparts.com>, =

> Bamcom <bamcom@ix.netcom.com>, "Mich.Radio" <mirad@mich.com>, =

> ComDaC <comdac@comdac.com>, "Comm.Hq." <chq@chq-inc.com>, =

> "Grove Enter." <bgrove@grove.net>, Denver
 > Radio <amateur@denverradio.com>, Burghardt
 > <hamsales@burghardt-amateur.com>
 >

> NOTE: No Code International is a worldwide organization that seeks to
 =
 end

> Morse testing as a requirement for Amateur Radio operation below 30
MHz=
.
> We have been sending out periodic bulletins to industry and the media =
and
> we have recently increased the distribution of these bulletins. This =
may
> be the first one that you have received.
> If you do not wish to receive these bulletins in the
future,
> please reply
> with "REMOVE" in the subject line and we will take you off of the list
> immediately. These bulletins are sent only when we feel something
> significant has happened that you should be aware of. You may also
con=
tact
> us by telephone at: (817)461-6443.
> Thank you. 73/Fred/W5YI
>
--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D=
--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D--3D=
>
> No Code International's Comments on the ARRL's Restructuring
> Proposal - July 25, 1998
>
> The board of No Code International (NCI) would like to comment on
> the ARRL's latest license restructuring proposal.
>
> 1. The ARRL has proposed a 5 WPM "General Class" license, which
> they call "Class C". NCI applauds the ARRL board for making this
> brave decision. We'd like to encourage the ARRL's directors and
> membership to do more thinking in this direction.
>
> 2. No Code International stands for the elimination of the Morse
> code examination as a criterion for amateur licensing. We note
> that the ARRL has proposed a 12 WPM exam for the proposed "Class
> B" and "Class A" licenses. We feel that these licenses should
> also require only a 5 WPM exam, and we urge the ARRL to make that
> change to their proposal. This is not to say that we are opposed
> to the use of high speed CW on the air. We simply think it is
> something that amateurs should do voluntarily, and it should not
> stand in the way of their becoming HF operators.
>
> 3. The sole remaining reason for Morse code examinations stems
> from a 50 year old regulation now called "S25.5" in the
> International Telecommunications Union treaty which requires
> manual Morse proficiency to be demonstrated before a license can
> be issued for operation in amateur spectrum below 30 MHz. S25.5

> should be struck from the treaty at the next ITU meeting. We
> urge the ARRL, the IARU and its member societies, and all ITU
> member nations and observers to work toward the elimination of
> S25.5 as soon as is practicable.
>
> 4. Once S25.5 is struck, Morse code examination should be
> eliminated entirely as a criterion for amateur licensing. We
> urge FCC to adopt a "sunset clause" that will immediately drop
> all Morse requirements for amateur licensing once S25.5 is
> struck. We urge ARRL and American radio amateurs to join us in
> this proposal.
>
> 5. Given that CW speeds over 5 WPM should be irrelevant for
> amateur licensing, the ARRL proposal includes one more license
> class than is necessary. NCI proposes a modification to the ARRL
> plan which would combine the ARRL's proposed "A" and "B" classes
> into a single Class "A" license with the combined privileges of
> the ARRL's proposed "A" and "B" classes, a combined written test,
> and a 5 WPM Morse requirement. The ARRL's proposed "C" class
> (entry level HF) would therefore be called Class "B" and the
> ARRL's proposed Class "D" (equivalent to the current Technician
> Class) would become Class "C".
>
> 6. We don't yet know what the FCC Notice of Proposed RuleMaking
> will contain. Obviously, once it's released, we will present the
> no code case to FCC, and we may choose to write them while they
> are still composing the NPRM, as the ARRL already has. You can
> expect us to comment on the obsolescence of all code testing, on
> the number of license classes, and on many other relevant issues.
>
> As authorized by the
> No Code International

> Board of Directors
>
> Fred Maia, W5YI
> Executive Director
>
>

----- End forwarded message -----

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 27 Jul 1998 19:20:54 -0400
From: Paul Helbert <phelbert@rica.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16245] Re: LMC662CN-ND group buy
Message-ID: <35BD0B56.943030EA@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry for the topo:

"The group buy of the LMA662CN-ND is as follows:" should of course read,
"The group buy of the LMC662CN-ND is..."

Hope that didn't confuse anyone.

Paul, Wv3j, NorCal Zombie # 173

Date: Mon, 27 Jul 1998 16:18:37 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [16246] Re: ZOMBIE badge update
Message-ID: <199807272318.QAA29426@usr08.primenet.com>

Howdy,

Bob (WA2HOQ) wrote:

>
> Paul (NA5N), Zombie-master, wrote:
>
> > You do NOT have to be a NorCal member to get one. You do not have to
> > be a U.S. citizen. They are for fun and anyone who wants one. [...]
>
> What if your not from EARTH?

Definitely add at least another \$0.32 in return postage. :)

Thanks for the badge, Paul! My wife rolled her eyes at me when she saw it - always a good sign! :-) Still have a hard time deciding if I should show the Area 51 side

or the Zombie Warning side. *8-)

Speaking of DX, heard F5 (France) strong late last night on 20m, as well as Sweden and Estonia. Japan was coming in nicely early this morning, also on 20m. Get those rigs on the air and have some fun!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Mon, 27 Jul 1998 19:18:52 -0400
From: "Dan Wolfe" <n4roa@mounet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [16247] "Flight of the Bee"
Message-ID: <199807280017.TAA25054@ns2.mounet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Howdy fellow QRP'ers,

Well another fun time has come and gone. I am already looking forward to the next one as I am sure you are also. My operation this year was from same site as last year(abandoned fire tower on Clinch Mt) but was a little different as I had some company this time to help overcome those unexpected problems..

One who came along was only 13 years old and was really interested in becoming a ham. He wanted to see first hand what went on in one of these events and I did my best to answer all his questions(he had a million). To me, it was almost as enjoyable as operating to see someone as young and so interested. It really made my day just spending time with him and my friend Robert.

It took a while to get the antennas up due to explaining things to young Tucker but we were ready to go at the bell. Tucker kept looking over my shoulder to see who and where my contacts were. He was amazed at the distances of some of the contacts and really awed by the CW. I think he is hooked as he wanted to know how to get some study material. Another young CW op is in the making. Yeaaaaahhhh!

Dennis, N4DD, my QRPTTF partner, was operating about 3 miles from me as the

Crow flies. It is amazing how loud a QRP signal is at that distance..hee hee..We had to keep tuning away from each other when on the same band. He sounded like at least a KW and he said I was same. Oh well, we all know how loud our low power signals are at times, don't we?

Quick count of my contacts show 74 total with I think 30 bees. I missed several due to QSB. Signal would be good than gone very quickly. I know I missed N0UR, Jim and K0EVZ, Doc..Sorry about that. I did catch N6MM, Harvey on 15 though and a couple of locals on 10. Around 40 on 20M and the rest on 40M..

Thanks to ARS and all who participated. It was a very enjoyable afternoon.

72 es CU on the bands.....Dan, N4ROA

Date: Mon, 27 Jul 1998 23:16:16 +0100
From: wd3p@juno.com (Larry Cahoon)
To: qrp-l@Lehigh.EDU
Subject: [16248] BB #45 - WD3P or "Son I forgot the rig"
Message-ID: <19980727.231617.4038.0.wd3p@juno.com>

A fun contest all around. Spent the weekend camping at Blackwater Falls State Park in Tucker County WV. I made up my multiband dipole Friday for 15m, 20m, and 40m. It is really a 20 meter dipole, with clip which can be undone to turn it into a 15m dipole. Then there are two extension wires to make it long enough for 40 meters. Went together easily and tuned perfectly without adjustment on each band.

My 10 year old son, Eric, KB3BUR, and I drove out the park - about 225 miles Saturday and set up camp, then explored the park and the falls. When I started to set up for dinner I noticed I had forgotten to put the Sierra in the car. But never fail the 20m SST was there. I had packed an extra keyer. All that was need was a connection to the battery. I had a bit of extra wire for an emergency ant. and some wire strippers so that did not prove to be a problem. The only limitation was that now I could only operated on 20 meters.

The QSB was bad the band did not seem to be open as it should have been. Started with QS0s to NC and NJ. They are not supposed to be easy from WV, too close in for that band. Ended up with a scattering of QS0 across the country. 29 QS0s plus two dupes, 10 BBs and 19 states and Canada made for a fun day.

We operated from a picnic table in the park. In the spirit of the event. Eric chose to take the 1.5 mile nature hike in the morning where we

learned about edible plants on the trail. That did not leave time to hike to the chosen spot. So we drove over. I operated while Eric kept White Tail Deer away from our site. The dipole went up without any problems. The SST worked flawlessly. Since the Sierra was at home 225 miles away Eric couldn't operate. I promised him a 2 meter simplex contact, but by the time we thought of it the contest was over. So we packed up. Put all the equipment that was used in a day pack, threw it on my back and proceed to take a second hike to view the Blackwater Canyon.

The weather report, just for you guys in the south. Sunny all day with a high of about 75. It was a nice 68 when the contest ended. A crisp 47 when we got up this morning to break camp.

72 de Larry.....WD3P/BB and Eric....KB3BUR

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 27 Jul 1998 23:24:59 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [16249] RE: ZOMBIE BADGES
Message-ID: <35BD0C4B.46CB@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks, one more thing about the zombie badges:
The exalted Zombie #1 mentioned:

As a note of thanks to Paul and the Zombie crew. You might consider dropping in a US photo of Washington to help defray the cost of the little do-dad that clips the badge to the clothing. These things are not free and with the demand that I see, I'd hate to see Paul and his crew go broke.

The dollar and postage is money well spent for a badge that will get a lot of attention at swapmeets and ham club meetings.

FYI
--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 28 Jul 1998 00:27:29 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [16250] Re: Zombie Badges
Message-ID: <199807272327.AAA14642@chuck.dallas.sgi.com>

Gang,

For those of you sending the SASE with \$0.43 postage.

Paul and the crew are sending you a badge and a little do-dad that holds the badge to clothing with a spring clip. You know what I mean. These things are not free to Paul, so for his effort it would be nice to enclose a US portrait of Washington to help him defray the costs of the badge, plastic and badge machine, and the clip. I know that he will take the access and use it for the good of the QRP community in case he is overpaid.

Remember he is doing an Elmer300 pamphlet later in the year and some are going to want one for free and the rest of us have to pay for it somehow..... It's the '90s. :-)

So, just a suggestion that might help the cause. Let your own value of worth of the badge to you be your guide, not me.

FYI

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Tue, 28 Jul 1998 00:28:34 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: aa8yo@juno.com
Cc: qrp-l@Lehigh.EDU

Subject: [16251] Re: W5YI / NCI Ramblings (FYI)
Message-ID: <199807272328.AAA14649@chuck.dallas.sgi.com>

Enough already. OK gang?

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Mon, 27 Jul 1998 17:29:04 -0600
From: "Steve Galchutt" <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [16252] Bee#38 Biked, Walked & Hiked
Message-ID: <00d901bdb9b6\$622dd840\$844a460f@SG2939M.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bee #38 NOTU comments:

Only snagged 18 Qs - but I feel like I earned every one of 'em ...between my bike ride, flat tire, walk back home, drive to the trail head and finally hike to my BB site!! FUN 'test.

The Details:

I got a 2 hour late start!!! My mtn bike had a flat tire on the way to the trailhead which turned out to be a double flat or (aka "snake-bike") - occurs when the tire rim smashes the tube against hard surface. (Or 20lbs of QRP/lunch/rain gear on the rear of my bike rack bouncing up and down hammered my rear tire...OK, so it was a jeep trail!) Well, luck would have it I only had one small patch left in my repair kit! (arrrRGH!) So I went to plan B - walk bike back home and drive to the trailhead! (costing me several hours!)

Once at the trail head my hike to the site was only 'derailed' by the threat of lightning, which I was constantly re-evaluating as the clouds changed. Decided to play it safe and chose a site less exposed. (stayed away from the ridge.) maybe only 1 s-unit down from the top (hi)

With the 20m dipole pulled up about 30' in a tree and the SST singing out "CQ BB 'test de .VE7CQK" I was finally in the swing of things! (BTW Paul I never was able to snag you - guess my 2W was off the end of the dipole was enough?) Stayed on 20m the whole time not wanting to loose any time messing w/antennas or changing bands. 20m had a really fast QSB. It helped to kick up the WPM or now you hear 'em and the next second they're gone.... Funny

too how the WPM increases right before the end of the test! But none the less I really enjoyed the afternoon of seeing how many of my QRP buddies I could put in my log. Kinda embarrassed, several times I had to ask for other station's call more than once. Got the exchange going before I had the call down ... QSB/QRM was jamming my mental data base something fierce. Need more non-voital gray matter RAM and next time an earlier arrival time would help. ...hmmm seems this is a trend I'll have to work on! Tks ARS!

72...Steve

n0tu - solar powered QRP & wire antennas @ 7,200' ASL
Monument, Colorado - Grid Sq DM79nb
homepage: <http://www.webaccess.net/~S&P/HRindex.htm>
email: n0tu@webaccess.net

Date: Mon, 27 Jul 98 18:41:06 -0600
From: cjcole <cjcole@ames.net>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [16253] Travel Antenna
Message-ID: <199807272349.SAA07970@brain.ames.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Hi guys!

I'm going on vaction the first week of september and was wondering if anyone know of a simple antenna that I can put in a suitcase. I would take my mag mount but I'm not to sure if the Airlines will let me take it on the plane. I need the Antenna at least for 2meters but I would also like one for 6meters.
Can anyone help??
Thanks and 72s/73s
KC0DB0

Date: Mon, 27 Jul 1998 19:44:46 -0400
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: Roger Braker <msebrakr@telepath.com>
Cc: qrp-l@Lehigh.EDU
Subject: [16254] Re: 6 meter homebrew

Message-ID: <3.0.1.32.19980727194446.006ac3a4@mail49.mci2000.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 07:31 AM 7/27/98 -0600, you wrote:

>Jim and the group,
>What about the transistors. They don't appear to be standard modle
>numbers. I saw some of them in an RF parts catalog but they don't seem to
>have some of them. I don't know of any other supplier that has those kind
>of part numbers Does anybody know where I could obtain them.
>
>
>73,
>Arnold kd5ckh
>
Arnold....a quick check in my Consolidated Electronics
catalog (1995) show the following transistors available.

ITEM	PRICE
3SK74	1.10
2SC1815	.24 (MUST BE THE 2N2222 OF JAPAN0
3SK59	2.15
2SC2458	.29
2SK124	NO PART, USE 2SC2003
2SC2003	.49
2SC1971	4.45
2SK168	.53
2SA934	.59

So it looks like most of Makoto used can be bought in the states.
Consolidated may also be a source for the IC Makoto used, but
one would have to call them to find out. Also, todays prices
are probably a few cents more. Consolidated's telephone number
is 1-800-543-3568. Several of the sales folks are hams too, so
they are partial to we folks calling them up for parts.

Std disclaimer in Consolidated, yada yada yada.....

72.....Jim, K8IQY

Date: Mon, 27 Jul 1998 20:02:43 EDT
From: SMurph555@aol.com

To: qrp-1@Lehigh.EDU
Subject: [16255] '98 Bumblebee Flight - Most Got Away!
Message-ID: <4e2e98a4.35bd1524@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi gang:

My first try at the Flight of the Bumblebees and enjoyed it. But 20M was almost useless here in MD; only two QSOs (no Bees). 40M was much better (17 QSOs; 10 Bees), though I'd spent way too much time on 20M thinking it's gotta get better. Rig was the ubiquitous QRP+, with my indoor aluminum foil center fed (through "push-pull" RG-58 and a KW Electronics "Z-Match" tuner). The keying system was the little Whiterook packaged Tick (lovely), and the paddle was a Nye Viking (pretty good paddle in my book).

Anyway, in my book, it looks like 630 points, but - hey - someone has to bring up the rear <grin>! And there's always next year.

72/73

Cal K4JSI

Date: Mon, 27 Jul 1998 19:26:09 -0600
From: Mike - W0TMW <crucis@sky.net>
To: cjcole@ames.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [16256] Re: Travel Antenna
Message-ID: <35BD1AA1.8E54C2FE@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Along time ago (how long I'm not sure) Hy-Gain sold the "tape measure" dipole." The body of the "tape measure" was also the center connector for the dipole with metal tape coming out each side. You could measure out the length equally on both sides then hook up the coax.

Haven't seen one in a long time.

Mike - W0TMW

cjcole wrote:

>
> Hi guys!
>
> I'm going on vaction the first week of september and was wondering if
> anyone know of a simple antenna that I can put in a suitcase. I would

> take my mag mount but I'm not to sure if the Airlines will let me take it
> on the plane. I need the Antenna at least for 2meters but I would also
> like one for 6meters.
> Can anyone help??
> Thanks and 72s/73s
> KC0DB0

--

```
=====
Mike Watson, W0TMW           QCWA Mbr # 28651, Chap. 35
Raymore, MO USA             Grid: EM28st ARCI# 9647
http://www.sky.net/~crucis
E-mail: crucis@sky.net      ARS# 352, QRP-L# 1489
=====
```

Date: Mon, 27 Jul 1998 19:48:47 -0500
From: n5inz@juno.com (John M Andrews)
To: qrp-l@Lehigh.EDU
Subject: [16257] Re: QRP-L CD-ROM
Message-ID: <19980727.194848.3198.3.N5INZ@juno.com>

On Mon, 27 Jul 1998 16:55:46 -0600 Larry East <w1hue@amsat.org> writes:
>>>>

>
Got it, Larry- Just think of it as insurance.

I've got an "obsolete" QRP+ I'll never part with, much thanks to you.
Your posts on mods and improvements were a huge help. Maybe we can
even talk you into a compilation of your stuff on the + and ++for the CD.

It's either that or " The History of Q-Dope" (Oh...my Gawd!). Imagine
new
folks we can send to the CD as a huge FAQ. And we old folks with bad
memories.

>
>
>If that is indeed the case, me wonders "why bother"...

>
>
>I can't read all of the posts now, much less a stack of CDs that
>become
>obsolete before I even get 'em!

>
>

>Ahhh... such is life in the information (overload) age!
>
>
>
>

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Date: Mon, 27 Jul 1998 19:45:14 -0600
From: "David Bixler" <DBIXLER@hs.seneca.k12.mo.us>
To: qrp-1@Lehigh.EDU
Subject: [16258] WOCH Ozark Bumblebee Report
Message-ID: <29236D67916@hs.seneca.k12.mo.us>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The site selected for this year's Flight of the Bumblebees was the Roaring River State Park in southwest Missouri. The trout fish hatchery located here in a deep valley receives it's water from a large natural spring which also is the source for the river.

My son Thomas (KC0AUU) and I along with two YL's (friends of Tom) made the expedition up out of the valley by hiking along the fire tower trail. I was packing two HF rigs along with a 2 meter HT on my back and Tom had the pack with the antennas and the battery. The trail was very steep and rocky for the first quarter mile till we reached the top of the ridge. We followed the ridge through the forest till the trail looked like it was starting down into another valley. At that point we selected our operating location.

Tom made quick work with the slingshot getting two lines over branches for the 20 meter dipole and I put the 40 meter SLV in a tree and installed three elevated quarter wave radials. All was ready to go by 11:30, a whole half hour early. Tom and the two YL's left me alone with the ants and spiders once everything was set up.

The main rig was my old trusty/rusty HW-8 along with war surplus headphones and straight key. The back-up rig, which

was never unpacked, was a Norcal 40A. Both antennas were designed to be resonant in their respective bands so no antenna tuner was carried in.

20 meters was loaded with stations (even doubly loaded considering the DC receiver). It's been a long time since I've operated a DC receiver and more than once I found I was calling someone while tuned to the wrong side of zero beat!

At first it seemed that I wasn't getting very many QSO's by hunting and pouncing. Only after calling CQ a few times, I learned that the answering stations were all out of the AF filter's narrow bandpass. Apparently, my TX offset must be way off cause I had to run with the receive AF filter in the wide position to make QSO's. Hurry up Norcal 20!!!!!!

The only injury occurred when a curious black ant went exploring up my shorts and took a bite in a sensitive area causing a short interruption with one QSO.

Results were less than stellar. Ended up with 33 contacts on 20 and only 2 QSO's on 40 meters. A total of 18 fellow Bumblebees were worked. 19 states from coast to coast plus Ontario went into the log.

The high point was working Wes, W7ZOI. I've read his inspirational work for years and this was our first QSO.

All sore muscles considered, it was a fun trip for this OT'er and I'm already planning on next year's event (with a lighter rig).

Thanks to ARS for sponsoring the Flight of the Bumblebees!

David Bixler W0CH - EI4VVN
Seneca, MO
QRP: Minimum power, maximum fun!

Date: Mon, 27 Jul 1998 21:02:38 -0400
From: beaks@westco.net
To: qrp-1@Lehigh.EDU
Subject: [16259] Kit suggestions
Message-ID: <35BD232E.6A54@westco.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi everyone, I am looking for qrp transceiver kit for 40 meters for a winter project and would like to know what is available for folks with big fumbly fingers like me that have a heck of time winding those tiny toroids. Do all the kits HAVE to be so small? It would also seem much easier for a beginning builder to work with a larger layout and parts. I operate mainly from the shack and its nice to have a rig that will stay in place on the desk.

Thanks in advance for the ideas!

Arch N8EAG beaks@westco.net

Date: Mon, 27 Jul 1998 21:15:02 -0400
From: Joseph Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Cc: njqrp@njqrp.org
Subject: [16260] Buzzin' around the bumblebees
Message-ID: <199807280115.VAA33150@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

My schedule these days prohibits committing to an effort like the Bumblebee buzzoff. But it didn't completely prevent me from working several of the gang.

My oldest son helps coach several baseball teams and, as luck would have it, they both had playoff games on Sunday! No chance, then to seriously chase bees.

So I used a handicap to my benefit. I threw the Sierra in my van and grabbed a couple of Hamstick antennas. During warmup between games I disappeared out to the parking lot and played ham.

The main goal was to try to work N2CQ and the other couple of NJQRP Bees. Tried 20 meters first and found that condx were not too good using my poor antenna. I *heard* a 0 and several 6's in addition to Russ, AA7QU but no luck with repeated calls. More than once I called a staion only to have him answer Kevin, N2T0! Kevin was too far away (~80 miles) hear on 20. However Sam, AE4GX came right back!

Switching to 40 I heard a signal that sounded like a real bee! It was a very raspy CQ de XXXXX/BB several kHz wide. Never did manage to

copy his call sign.

Answered the first loud CQ and landed Bill N8ET with a very good signal then Ken, N2CQ a minute or so later.

By then the game was about to start. Not a great effort, but at least I did manage to help a few Bees.

As for the ball games, it was a split - one win and one loss.

Gotta get the schedule under control next year so I can buzz with you all!

Date: Mon, 27 Jul 1998 18:29:32 -0700 (PDT)
From: frohro@wwc.edu (Rob Frohne)
To: qrp-1@Lehigh.EDU
Subject: [16261] Looking for Argonaut 509 S/N 509-4580 (has green dial lights)
Message-ID: <199807280129.SAA07539@medlake.wwc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hi All,

I realize this is a long shot, but here goes....

I'm looking for the Ten-Tec Argonaut 509, serial number 509-4580. It had green LEDs replacing the dial lights and a couple of diodes back to back tacked on the SSB generator board to provide some RF clipping. Back in my freshman year in college, my dad gave me that rig. I had a lot of fun with it, but then in my lean grad school years I traded it at TNT Radio in Minnesota for a shiney new Icom IC-735. If you have any info on this perticular radio, please send me a note!

73,

Rob, KL7NA/W7

Date: Mon, 27 Jul 1998 21:28:02 EDT
From: penzo@juno.com (Michael A Penzo)

To: leinwebe@mcmail.cis.mcmaster.ca
Cc: qrp-1@Lehigh.EDU
Subject: [16262] Elme101:Phones in series
Message-ID: <19980727.200314.4831.0.penzo@juno.com>

>But there IS a catch...
>You must be careful not to ground the headphone jack.
>
>If you try to wire the jack in a series-connected way, and find
>you only get audio out of one side of your phones, the cause could
>be a grounded shell.

Glen,
That is exactly what happened to me! I had audio in only one ear because the jack wasn't "floating". I discovered that the jack that Dave supplies with his enclosure kit is easily insulated from ground by enlarging the hole on the back panel. The jack will center itself within the enlarged chassis hole. Then use an insulating washer under the collar nut and your in business. My scope shows a peak to peak audio voltage of almost twice the original (when clipping). I would assume that twice the voltage means half the current that the op amp must now deliver(?)
73,
Mike

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 27 Jul 1998 19:05:08 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-1@Lehigh.EDU
Subject: [16263] NorCal's August Meeting Announcement
Message-ID: <2.2.32.19980728020508.00cb9860@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPers, the August meeting of the NorCal QRP Club will be held as usual Sunday August 2nd at the California Burger Restaurant, located off the Santa Rita Exit of I580 West of Livermore and East of Pleasanton. The California Burger is located in the small shopping center behind the Shell Station across the street from McDonald's Restaurant. If you are coming from Livermore,

take the Santa Rita exit, and you will come to a stop light. Turn left and go over the freeway. You will come to a traffic signal. Turn left, and you will notice a McDonald's on your left, and a Shell station on your right. Take the first right turn, (about 107 yards, 2 feet and 7 1/4 inches from the intersection) and you will be in a small shopping center. The California Burger is in the SouthWest corner of the shopping center. Look for all of the cars, you can't miss it.

If you are coming from Pleasanton, take the Santa Rita exit to your right. You will come to a traffic light. Go straight across the street, and you will see the McDonald's and Shell Station. Same directions as above.

Remember, if you have never been to a QRP meeting, this is not like all of the other meetings you go to. It starts about 10:30 and ends about 1:30 or so. No rules, no minutes, no new business, no old business, just a get together of QRPers who want to meet and share QRP information with others of like interests. Our meeting is entirely social, and those who attend always seem to enjoy themselves. If you come, bring along your latest project to share with the rest of us, we want to see and admire it, probably steal a couple of your ideas in our next project, but we will have fun!

72,

Doug, KI6DS

Date: Mon, 27 Jul 1998 18:03:55 -0800
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [16264] Travel Antenna from measuring tapes
Message-ID: <35BD318B.E1BE4923@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I still use a measuring tape antenna (as well as my SLV/MMA) when I go out in the motorhome. I have one made out of two 50 foot tape measures. You can remove some of the screws (alternate corners) and fasten the two tape measures together with longer bolts. Then you just fashion a method to mount the S0239. Mine is made of leather. I have seen a better model made of bent aluminum with nice camping grommets banged into the hang-up hole. The two alligator clips come off the S0239 with quality wire and once the length of each side of the antenna is correct, you clip the alligator clips onto the edges of the tape. Not the flat. Also, a piece of leather (or whatever) keeps the thing from unwinding. Good for 40-10 (maybe even 6 and 2) meters. A bit of thought will allow a creative solution to all aspects of this one.

The formula for the length to use (approx.) is:

$((468 / \text{freq in MHz}) - 1.5) / 2 = \text{length for one side of the tape measure.}$

e.g., for 7.040 $((468 / 7.040) - 1.5) / 2 = 32.5 \text{ feet per side.}$

This seems to work well enough to use without tweaking if I have no tuner. Your mileage may vary and a bit of playing around on one weekend will give you all the data you need to figure out your own formula if it needs to be different.

These tape measure antennas work fine but do not like really severe winds. I used one out on the Iditarod Trail when I was the radio operator for the checkpoint in Shaktoolik (check it out on a map). A full blown Arctic storm finally stressed the metal until it broke. (Yes, I had several backup antennas but putting them up in snow and a wind I could not stand up in was another story.)

73, Jim, AL7FS

Mike - W0TMW wrote:

> Along time ago (how long I'm not sure) Hy-Gain sold the "tape measure"
> dipole." The body of the "tape measure" was also the center connector
> for the dipole with metal tape coming out each side. You could measure
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>

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> > Can anyone help??
> > Thanks and 72s/73s
> > KC0DBO
>
> --
> =====
> Mike Watson, W0TMW QCWA Mbr # 28651, Chap. 35
> Raymore, MO USA Grid: EM28st ARCI# 9647
> <http://www.sky.net/~crucis>
> E-mail: crucis@sky.net ARS# 352, QRP-L# 1489
> =====

Date: Mon, 27 Jul 1998 22:14:01 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU
Subject: [16265] to much mail
Message-ID: <1731f288.35bd33ec@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi gang
Well, after the post on the HALO jump,
I've been bombed with mail with all types of suggestions, antenna
deployment, canopy reefing system etc.
I have over 2,000 jumps and take all safety factors into consideration.
It's not your typical jump into a small craft, ride up to altitude and bail
out.
I have a crew working with me(all HALO jumpers).
The only thing different about this is that it's ham radio related
Thanks to all who have written in regards to my safety.
As the date moves closer i'll start updateing my post and keep all of you
informed.
Thanks for all the kind words from other skydivers, and pilots and WE know it's
easier to look down then it is to look up.
Thats why we do it<GRIN>

Oh,before I forget,
So many had asked me what aircraft will be used.
The only thing i'll say at this time is that your tax dollars are being well
spent<GRIN>
Have a nice week
Bob
WA2HQQ

Date: Mon, 27 Jul 1998 19:37:52 -0700
From: "Roy Lincoln" <wa4dou@mailexcite.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, kd1jv@moose.ncia.net
Subject: [16266] RE: VCRs as parts source (and they're free!)
Message-ID: <HEILEFLADPMHBAAA@mailexcite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Steve, i don't have even one. They're junk in my opinion ,even when they're
new. Most consumer electronics today is. Just a silly millimeter away from
failure! Hardly worth repair! I build all my stuff from new parts. Lifes too short
to spend it trying to salvage junk! IMHO, of course! But more power to you! 73 Roy
WA4DOU-----

--

On Mon, 27 Jul 1998 15:32:55 Steven Weber wrote:
>Yes indeed, junk VCR's are a gold mine of parts, I always have a couple
>under the bench for parts.
>
>All kinds of good stuff inside. Don't forget the molded inductors (these
>read like a resistor but in uhy's) 100 uhy, 33 uhy and 10 uhy are commonly
>used for supply decoupling.
>
>The older the VCR the better, as the old ones have more parts than the new
>ones. Ones made in the last 5 yrs or so are good for SMT parts, like chip
>resistors and caps.
>
>I don't think there are many people left in the whole world today that
>don't have at least one dead VCR in the closet...
>
>72,
>Steve, KD1JV....In the White Mountains of New Hampshire
>
>"Melt Solder"
>

>

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Date: Tue, 28 Jul 1998 02:41:41 -0500
From: Duncan Mac Donald <macdondd@cadvision.com>
To: qrp-l@Lehigh.EDU
Subject: [16267] New Call Sign
Message-ID: <35BD80B5.77AE@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello All... Please be advised that VE6DMD call Sign is no longer and has been officially changed to VE6QRP... Can you please tell me how to go about getting QRP-L records changed and do I keep the same number(405)
Thankyou de Duncan...

Date: Mon, 27 Jul 1998 22:53:21 EDT
From: PDouglas12@aol.com
To: qrp-l@Lehigh.EDU
Subject: [16268] L/C Meter el cheapo way
Message-ID: <51d61f12.35bd3d23@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Guys,

A recent inquiry about homebrew test equipment reminded me that mention hasn't been made recently about how to make your own L/C meter out of a Commodore 64 and a handfull of parts. I have been keeping a C64 up and running in the shack for some years now just for local Packet and more often than not, for its unique abilities as a test instrument. See, the C64 was a piece of sheer genius, way way ahead of its time, and they threw in the kitchen sink in that little computer. It has an input that can be used with the computer's internal counter to make a low frequency counter. That, coupled with a small outboard oscillator gives you all you need to make an L/C meter. The computer can do all the calculating for you and gives its results in uF or uH or mH.

The original article by KD9EN in the July '90 issue of 73 Magazine (betcha' you can find it in your local library--most keep archives of magazines for some years) gives all the info. Actually the neat little L/C meter that Milestone Technologies and others sell for about 90 bucks is based on exactly the same principle. Of course, the commercial one fits in your palm, doesn't need a whole desk for itself, and has its computer built into its little case--But if you already have the C64 gathering dust, it is a great way to have the capability to measure inductances and capacitances.

I recently did a Pixie with all junkbox parts. I didn't have the molded inductors called for, but I sure had plenty of toroid cores. With the help of Paul Harden's handbook (another inexpensive, invaluable piece of lab equipment, in my opinion--that book is great), I selected cores, wound them to the approximate inductance, and then measured and added/unwound turns until I had the values right on the nose using the C64 L/C measuring system.

This is one project that saved me money and used existing equipment. One of these days I am going to treat myself to one of the little hand-held testers that Milestone sells (in kit form, incidentally). But for now, I still get a real kick out of the C64 system doing its thing for free, or close to it.

Oh, and if you do decide to build the C64 L/C project, let me know. I did a little tweaking to the original program that allows it to measure a wider range of values. I'll send you my version for a self addressed 5 1/4 " disk mailer. (No, I don't need a blank 5 1/4 " disk! I must have a thousand of them, with no use whatsoever!)

Anyway, that, to me is one of the best parts of hamming. Making old junk into good new stuff!

72,

Preston Douglas WJ2V

Date: Mon, 27 Jul 1998 22:59:41 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [16269] Free parts... odd places...
Message-ID: <Pine.LNX.3.93.980727225032.2219A-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Tonight I tore apart one of those muffin fans from "cheap" PC power supplies (had a reason too:). In the process I discovered that the motor contained 3 transistors, 3 diodes, two resistors, a toroid shaped magnet, and ton of wire in the winding. Think I'm gonna save this piece of *junk* for the winter building season and see if I can get a pixie out of it.

Hmm... could probably put it in a case made out of an old video cassette... RIG HR IS A MUFFIN FAN...

Now all I need is some time off work :(

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | http://dns.vidtel.com/~ccart --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Mon, 27 Jul 1998 22:55:22 EDT
From: kf4dvb@juno.com (Daniel J Tarter)
To: QRP-L@Lehigh.EDU
Subject: [16270] R-X Noise Bridge
Message-ID: <19980727.214741.4983.0.kf4dvb@juno.com>

Hi gang,

My brother Mike, KB8YUC, sent me a T-KIT 1051 tuning bridge. I assembled it and got it working. Now what? In the back of the manual, it shows how to make it an R-X bridge. After doing some light reading, I learned that I could tune my antenna with the transceiver in receive - I don't have to transmit.

Does any one know of other uses? How about mods? Can I install a digital readout to read the resonant freq?

Dan
KF4DVB

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 27 Jul 1998 20:15:42 -0700
From: John Moriarity <k6qq@hdo.net>
To: ehare@arrl.org, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [16271] Re: ARRL Zombies was: Re: Proposal?
Message-ID: <3.0.16.19980728075000.26efeffa@hdo.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:59 AM 7/27/98 -0400, Ed Hare, W1RFI wrote:

>"I work for ARRL because I believe these things; I do not believe these
>things because I work for ARRL. -- Ed Hare"
>

Well said!

John, K6QQ

Date: Mon, 27 Jul 1998 20:19:13 -0700 (PDT)
From: Rob Frohne <frohro@wwc.edu>
To: qrp-1@Lehigh.EDU
Subject: [16272] Your favorite QRP T/R switching arrangement?
Message-ID: <199807280319.UAA28820@shasta.wwc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Greetings!

I'm contemplating turning one of my phasing direct conversion receivers into a transceiver, but if I want more than a fraction of a milliwatt out I'll need to build a T/R switch for the antenna. The tricky part is that the receiver input will also be the input to the amplifier chain of the xmtr. (So the input of the amplifier chain will be separated by this switch from the output. OSCILLATION, here we come, if I'm not careful!) I'm looking for a good easy solution that has good isolation. Can anyone direct me to some circuit ideas?

Thanks & 73,

Rob, KL7NA/W7

Date: Mon, 27 Jul 1998 23:23:11 -0400
From: Dave Medley <wn8vot@misi.net>
To: larsennc@alaska.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [16273] Re: Travel Antenna from measuring tapes
Message-ID: <35BD441F.1DE6A468@misi.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim

I have used 2 slinkys with ladder line and aligator clips works great
let us know what band your working and we can get down to the brass
tacks of it all

Dave wn8vot

Jim Larsen (AL7FS) wrote:

> Greetings from Alaska,
>
> I still use a measuring tape antenna (as well as my SLV/MMA) when I go
> out in
> the motorhome. I have one made out of two 50 foot tape measures. You
> can
> remove some of the screws (alternate corners) and fasten the two tape
> measures
> together with longer bolts. Then you just fashion a method to mount
> the
> S0239. Mine is made of leather. I have seen a better model made of
> bent
> aluminum with nice camping grommets banged into the hang-up hole. The
> two
> alligator clips come off the S0239 with quality wire and once the
> length of
> each side of the antenna is correct, you clip the alligator clips
> onto the
> edges of the tape. Not the flat. Also, a piece of leather (or
> whatever) keeps
> the thing from unwinding. Good for 40-10 (maybe even 6 and 2)
> meters. A bit
> of thought will allow a creative solution to all aspects of this one.
>
> The formula for the length to use (approx.) is:
>
> $((468 / \text{freq in MHz}) - 1.5) / 2 = \text{length for one side of the tape}$
> measure.
>
> e.g., for 7.040 $((468 / 7.040) - 1.5) / 2 = 32.5 \text{ feet per side.}$
>
> This seems to work well enough to use without tweaking if I have no
> tuner. Your
> mileage may vary and a bit of playing around on one weekend will give

> you all
> the data you need to figure out your own formula if it needs to be
> different.
>
> These tape measure antennas work fine but do not like really severe
> winds. I
> used one out on the Iditarod Trail when I was the radio operator for
> the
> checkpoint in Shaktoolik (check it out on a map). A full blown Arctic
> storm
> finally stressed the metal until it broke. (Yes, I had several backup
> antennas
> but putting them up in snow and a wind I could not stand up in was
> another
> story.)
>
> 73, Jim, AL7FS
>
> Mike - W0TMW wrote:
>
> > Along time ago (how long I'm not sure) Hy-Gain sold the "tape
> measure"
> > dipole." The body of the "tape measure" was also the center
> connector
> > for the dipole with metal tape coming out each side. You could
> measure
> > out the length equally on both sides then hook up the coax.
> >
> > Haven't seen one in a long time.
> >
> > Mike - W0TMW
> >
> > cjcole wrote:
> > >
> > > Hi guys!
> > >
> > > I'm going on vacation the first week of september and was wondering
> > > if
> > > anyone know of a simple antenna that I can put in a suitcase. I
> > > would
> > > take my mag mount but I'm not to sure if the Airlines will let me
> > > take it
> > > on the plane. I need the Antenna at least for 2meters but I would
> > > also
> > > like one for 6meters.
> > > Can anyone help??
> > > Thanks and 72s/73s
> > > KC0DB0

> >
> > --
> > =====
> > Mike Watson, WOTMW QCWA Mbr # 28651, Chap. 35
> > Raymore, MO USA Grid: EM28st ARCI# 9647
> > <http://www.sky.net/~crucis>
> > E-mail: crucis@sky.net ARS# 352, QRP-L# 1489
> > =====

Date: Mon, 27 Jul 1998 23:33:21 EDT
From: PGSPersEng@aol.com
To: qrp-l@Lehigh.EDU
Subject: [16274] Elmer101: Tweaks
Message-ID: <3d42d3d.35bd4682@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

First, hats off to Mike, Glen, Dave and all the others who have made this course possible. It's been extremely valuable for me. If anybody else like me has purchased a copy of the Cal Tech EE20 notes from David Rutledge, KN6EK, you'll have to agree that we've just gone through the equivalent of a college-level course on RF design -- but at a much better price, and with all the help anyone could ever ask for. It exemplifies what's possible through a cyber community such as ours as well as the helpfulness of the ham radio community. If only all hams had the spirit and courtesy of list members!

Well, my unit is done -- and it works!!! I have an operating range of 7.001 to 7.056 with almost exactly 2W out. I've already got a perfect little wooden cigar box housing picked out (see, there *are* advantages to being a smoker, as politically incorrect as it might be these days).

I have a couple remaining issues that I could use some help with.

First, I had to play around with L1 to get the desired range. Any suggestions on how to "cast it in concrete" to make sure it doesn't drift due to shock and vibration? What material do you people use, and how do you go about pouring/installing it without getting goop all over the rest of the components?

Second, on receive I've got considerable hum in the background even with the

volume control all the way down. Any way to get rid of it?

Third, when I turn off the power, the rig gives a loud squeal through the headphones -- loud enough to be quite uncomfortable if you're wearing the phones. Again, any way to get rid of this electronic flatulence?

Thanks,
Paul, AA1MI

Date: Mon, 27 Jul 1998 23:06:45 -0500
From: Tim Ahrens <tahrens@inetport.com>
To: macdondd@cadvision.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [16275] Re: New Call Sign
Message-ID: <35BD4E55.E1CF6C1B@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Duncan - that's pretty slick! Congrats on the new call!

It's late here, and I just had a mini brain-drain... what if...

The FCC played games with us and randomly issued new calls..

K5F0 --> K5QRS
 or
K5F0 --> K5QLF

hehe

had to get Chuck back for bailing out of the heat heah in
Tejas!

I bet Nils can come up with some gud-uns!

Happy evening to all!

Tim W5FN

Date: Mon, 27 Jul 1998 21:14:55 -0700
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [16276] OTHER sources of parts (besides VCRs)
Message-ID: <35BD503F.75BB52D6@wenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In the high tech world of the East Bay (read:San Francisco)...people throw out old 'outdated' computer parts all the time. Monitors have LOTS of heat sinks, and printers have a lot of parts as well. I'll bet the the video drive and the coil driver transistors (from old 9 pin printers) can be recycled into QRP rigs.

I have an old cell phone that yielded a NE612 and some doublely ballanced mixers.

I have a 2SK643 (FET in a T03P case) thay should be good for a coupla watts.

Date: Mon, 27 Jul 1998 22:12:47 -0600
From: "Steve Galchutt" <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [16277] MVAM108 pinout?
Message-ID: <003a01bdb9de\$57365a20\$7ca8a3cc@SG2939M.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK it's late(almost bedtime) ...soldier iron is hot and I can't seem to figure out which pin is which on the MVAM108? Would you believe my VOM died!! trying to do the ABX mod in my Sierra and don't want to soldier these diodes in backwards ...so I'll wait till some one can set me straight. Thanks in advance!!

72...Steve

n0tu - solar powered QRP & wire antennas @ 7,200' ASL
Monument,Colorado - Grid Sq DM79nb
homepage: <http://www.webaccess.net/~S&P/HRindex.htm>
email: n0tu@webaccess.net

Date: Mon, 27 Jul 1998 21:49:13 -0700
From: Dave Fifield <fifiield@pacbell.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [16278] Adding a keyer to the TS-50
Message-ID: <35BD5849.2E29@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A ham friend of mine wants to add a keyer to his TS-50. I'm sure that one of "us" out there must've already done this, so if you have, please would you reveal all - send him an email to tell him how/what/where you made the modification/s, thanks. He is Randy Powell, W6SW and his email ID is rmp@mci2000.com

Thanks in advance.
Dave Fifield, AD6AY

P.S. The NC20 design mods are progressing - I still have a few "bugs" to iron out, but it should be ready in time!

Date: Mon, 27 Jul 1998 23:39:27 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: Paolo.Sassoli@italtel.it
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16279] Re: BD139 as HF final amplifier
Message-ID: <UVpxDHAfGQv1EwWq@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <35BC2941.2D55FE45@iii1sh01.settimo.italtel.it>, Paolo Sassoli <Paolo.Sassoli@italtel.it> writes

>Hi,

> does anybody know if the BD139 (nnp transistor) could be used
>as final stage in a QRP tx for HF (possibly 10 meters)?

>

>And if so, any suggestion for the output matching network?

>

>I've seen it some times used as driver in HF stages and, not being
>interested

>in QRO I thought it could put a couple of watts on air.

Although it is intended as an audio power device (up to about 12 W), I was surprised to see that it has an fT value of 250 MHz, according to a catalogue entry. No RF parameters are stated, of course, so you'll either have to measure them yourself, or "suck it and see".

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of a simple AD9850 DDS system. See " ["/diy_dsp.htm](#) for a simple DIY DSP ADSP-2104 system.

Date: Tue, 28 Jul 1998 02:03:26 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [16280] Motorola Transistor Part ID
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

I was able to purchase some transistors at Flagstaff this weekend that are marked with the Motorola insignia and the following part number: M-8311-1, and that is followed by what I think is a date code, 412. Does anyone out there know what this part is? It is in a metal case like a 2N2222 and has a tab. If you know what it is, please send me the data on it. Thanks. Doug, KI6DS (Just got home from a fabulous trip, and had a wonderful time at Ft. Tuthill. Thanks to the Az. Scorpions and especially, Bob and Bertie Hightower.) Will file a longer report later, too tired tonight. 72, Doug

Date: Tue, 28 Jul 1998 10:10:12 +0000
From: Jack Bennett <J.Bennett@lboro.ac.uk>
To: qrp-1@Lehigh.EDU
Subject: [16281] IC706 MKII DSP Unit
Message-ID: <1.5.4.16.19980728101012.2bdfbf46@staff-mailin.lboro.ac.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi,

I have just retrofitted a DSP Unit to my IC706 MKII. The module works fine on Receive, but unfortunately makes a complete mess of the transmitted signal, even when the DSP function is switched off!.

Has anyone had a similar experience, I would be very interested to know.

Many thanks for your interest, and I thank you in anticipation of replies stating your experience.

72, 73,

Jack G3PVG

QRP-L 1439

GQRP 4725

Date: Tue, 28 Jul 1998 10:31:02 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: ag97@sendero.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16282] Re: homebrew test equipment ideas needed
Message-ID: <66bmpEAWpZv1Ewga@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <980727164943421600@mail>, "Michael S. Williamson"
<ag97@sendero.net> writes
>I was wondering if anybody had resources on building test equipment
>to measure inductance and capacitance. I'd like to try my hand at
>building variable caps and inductors.

I use a signal generator and a scope or RF probe with a multimeter to check the resonant frequency. It is easy to measure things like Q, this way, if you need it. My signal generators are rather old analogue instruments, so I use a counter to check the frequency, giving quite accurate results. Before I had the signal generators I just used a simple RF oscillator with the counter - just as accurate but not as convenient.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of a simple AD9850
DDS system. See " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Tue, 28 Jul 1998 08:01:47 -0500
From: "Donald G. Dorn" <DDORN@swbell.net>
To: QRP-L@Lehigh.EDU
Subject: [16283] THANKS
Message-ID: <35BDCBBB.22C1@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all who responded RE: Digital Freq Display. Thanks to you guys
I found what I needed and am ordering the AADE DFD1.
Don K5AAR

Date: Tue, 28 Jul 1998 08:07:04 -0500
From: Jim <kj5tf@madisoncounty.net>
To: qrp-l@Lehigh.EDU
Subject: [16284] QRP on Choke Cherry island
Message-ID: <35BDCCF8.732C@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, the bottom line is, always put up the best antenna you can, eh?!
But, the other bottom line is I had fun, and got to name an island!
Well, sorta... :) de Jim AR QRP #2

----->

The lake waters were a little choppy Sunday 26th of July. But this time
I came with two anchors and the boat help fast in 11' of water. I got
close enough for me to swim to shore with ham gear stowed in a cooler, &
floating in a tube.

I setup the 20M Hamstick on its cement balast mount and adjusted the
single radial to a good length for <1.5 SWR's. The QRP+ rig sitting
on top of the cooler and me on the ground. I picked a shady spot on
the windward side of the island.

I havnt found any name for the 100x60' island, so when we found what
we think is a Choke Cherry bush, we decided on Choke Cherry.

The breeze was in my face, while I was cool in the shade enjoying the
view of jet skis, pontoon boats, and sailboats in the distance.

I made two QSO's on 20M near 14.060MHz right away, NJ, and NC a 549,
and 559 report. But after that the band seemed to die out. I went on

calling CQ for 30min but made no more Q's.

So I setup my 40M stick, and had just enough wire to get low SWR's, I was lucky. I called CQ for about 15 min before my luck changed contacting AR QRP member #227 Bob, AB5ZD in Little Rock. Pretty close for 40M we were lucky to make it at all, but after giveing me a 449 he lost me in the noise. I went on calling CQ for awhile but pulled the plug after operating a total 1hr and 15min.

I think condx were poor that time of day, and also I need to at least put up a dipole next time. The ground mounted Hamstick may have been the the trouble, or maybe I needed two more radial wires for a total of three to make the Hamsticks work better.

I sighted several likely trees to put up a dipole so that seems to be my next move.

Also, as US Island hunters have asked, I'm takeing my Ten Tec 525D, and a microphone with me. Also takeing a RV deep cycle btry and 50w solar panel so I can run the power up for SSB as USI has asked. They asked for 100 actually but 50w is all I've got.

I dont mind running the extra power for SSB, but from time to time, I will throw the switch to 5w and get reports with QRP as well, hee hee.

I made practice landings on another island and next time we'll do some beachcombing and wonder around some. cul, de Jim AR QRP #2

Date: Tue, 28 Jul 1998 09:29:27 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Brad Mugleston <bmug@gwl.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [16285] Re: Antenna Help - NEC4WIN
Message-ID: <Pine.GS0.3.96.980728090946.21463B-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Brad,

With NEC4WIN or any other MININEC program, you do not have access to the transmission line facility available with NEC-2 program. This would simplify your problem, since you could then specify parallel transmission lines of whatever impedance and velocity factor you desired--and then specify their length to match the situation you faced. However, NEC-2 (and -4) transmission lines are lossless mathematical lines, not physical models. However, they would be close enough to get a good ball-park idea of what may have been going on.

For center-fed antennas, the addition of physical transmission lines in

MININEC and NEC-2 should not alter the antenna pattern. Hence, pure antenna patterns with the antenna fed at the wire itself should tell you is any of the problem was due to either the antenna pattern being bad for where you wanted to go or the source impedance being a very hard one to deal with.

Many problems with getting a multi-band doublet to load on certain bands are due to the very high reactance presented at the tuner terminals. The standard "fix" for this is the addition of a length of transmission line between the terminals and the "old" line. Since the impedance along a mismatched line is changing everywhere along the line, the next length may present values the tuner can handle. Almost every tuner design is limited in its reactance handling range, usually more limited on either the inductive or the capacitive side (but not both) depending upon the network design.

Modeling a transmission line physically as parallel wires is not impossible, but a bit tricky. NEC-2 is most accurate when the transmission line wires are the same diameter as the antenna wire. This may require that you design a line of the same impedance as the one you used, but with different proportions to get there. MININEC is less limited in this regard. However, there are a couple of other hurdles. First, the physical line will have a velocity factor of 1.0 rather than whatever the factor was on the line you used. The modeled line has no insulation to change the VF from 1. Hence, you would model a line that corresponded in electrical length to the line you used, even though the physical lengths may differ due to differing velocity factors.

Getting the impedances correct is the second hurdle. Neither NEC nor MININEC model parallel feedlines exactly as the handbook formulas direct, so that you may have to adjust the line spacing or wire diameter a bit to get the impedance of the line you used. Here, checking with NEC-2 is easier than with MININEC, since the technique requires that you short both ends of a trial length of transmission line with no antenna. Place the source on one shorting wire and place a low value resistance load--say 10-30 ohms--on the other short. With NEC, just be sure the line is well segmented. With MININEC, you may have to use length tapering to be accurate. However, you can use many segments so that the length of the short is at least 1/2 the length of the segments along the wires.

In either case, use $1/4 \lambda$ line. Run the model line and revise the length until the source impedance is as close to zero reactance as you can get it. The resistive impedance should be fairly high. In fact, the square root of the product of the source resistance and the load resistance is the line characteristic impedance. You can then recheck the length by doubling it to make a half wavelength line. Remove the load and the shorting line. Connect an antenna whose source impedance you already know from a direct model readout. It should

be the same as the direct reading (or so close that the difference does not make a difference.

I know this is a long way to go to model transmission lines. However, less effort may yield inaccurate modeling results--and that would not be a help in understanding what was going on with the antenna you are analyzing.

Hope these notes are useful.

-73-

LB, W4RNL

Date: Tue, 28 Jul 1998 09:48:40 -0400
From: John Mckee <JMckee@RFMD.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [16286] unsubscribing to GQRP-L
Message-ID:
<c=US%a=_%p=RF_Micro_Devices%l=PACHACUTEC-980728134840Z-13082@proxy1.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Howdy again,

My post yesterday was about unsubscribing from GQPR-L not this list. I got a message back from the GQPR-L listserver saying the unsubscribe was successful but I still get email and if I send a message to the list, it bounces because I'm not a list subscriber. Has anyone experienced a similar problem?

Tnx,

John WB40FT

Date: Tue, 28 Jul 1998 08:11:39 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@Lehigh.EDU>, "'cw'" <cw@qth.net>

Subject: [16287] FYI
Message-ID: <01BDB9FF.59F0E340.bmug@gwl.com>

* Jordanian officials say King Hussein has begun chemotherapy at the Mayo Clinic in Rochester, Minnesota, U.S., following his being diagnosed with lymphoma.

Isn't this guy a ham?

de KB0ROL, Brad

Date: Tue, 28 Jul 1998 07:17:46 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Brad Mugleston <bmug@gwl.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16288] Re: FYI
Message-ID: <Pine.SOL.3.96.980728071711.3589C-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Brad,

Yep, he's JY1 if memory serves me right.

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 28 Jul 1998 10:17:16 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <bmug@gwl.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [16289] Re: FYI
Message-ID: <006001bdba32\$6d072d80\$bd1205d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

From: Brad Mugleston <bmug@gwl.com>

>* Jordanian officials say King Hussein has begun chemotherapy at
>Isn't this guy a ham?

Yes, callsign JY1.

73/72 de Vince, VE3VFN.

Date: Tue, 28 Jul 1998 08:30:55 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Duncan Mac Donald <macdondd@cadvision.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16290] Re: New Call Sign
Message-ID: <Pine.SOL.3.91.980728082928.18116B-1000000@gpfn1.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Duncan!...Jim will probably get in touch with you via e-mail...and
a *huge* congratulations on getting your new call!.....SUPER....hope to
work you some time....72 - Bruce(VE5QRP) - ;-)

Date: Tue, 28 Jul 1998 09:33:35 -0500
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L #98 <qrp-l@Lehigh.EDU>
Subject: [16291] Windows logging and TNC and radio control
Message-ID: <000a01bdba34\$b4725760\$4d0b9595@Jeffro.cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Good morning all:

well at 2am finally got my computer and the Kenwood 570 and TNC all talking
nicely. any recommendations on Windows logging, contesting, and TNC control?
The kenwood radio control only seems to just control the rig, can't see
anything in it about TNC and digital modes.

anyone there know anything about the 570 upgrade?

72

Jeff

Date: Tue, 28 Jul 1998 10:52:39 -0400
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <qrp-l@Lehigh.EDU>
Subject: [16292] BB results, de N4UY
Message-ID: <199807281451.JAA01493@dfw-ix13.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gee, after reading about all the QSOs folks made I may have to see if my feedline is still connected :-)

Only 4 QSOs here: KD7AEE, K0EVZ/BB, KG0MZ/BB, and VE7CQK/BB (a tough one). I heard a bunch of others but couldn't raise them including: AC6XK, W7Z0I, N7XJ and K7TQ.

I really like the BB concept. I sit in my basement with my little SST20 and imagine all the folks scattered across the country sitting on top of mountains, on islands, by streams and on park benches all trying to make some contacts. Kind of makes me feel like a member of a big friendly group working on a common goal. (Can you tell I haven't been reading my digests lately?)

Maybe next year I'll hike up one of those Blue Ridge mountains I can see out to the west -- maybe the increased elevation will help my score.

72,

Jake [N4UY] Vienna, VA (Washington DC suburbs)

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46,
NJ-QRP #74, NorCal#1457, ARCI #9392, FISTS #3450

WAS QRP W/C 50/49 (no HI card yet)

WAC QRP W/C 6/4

WAS QRPp W/C 17/17 (250 milliwatts on a Pixie II / MRX-40 / Tick Keyer /40m dipole combo)

DXCC-Pixie W/C 002/002

"...the harder the conflict, the more glorious the triumph. That which we attain too cheap, we esteem too lightly." Thomas Paine, 12/23/1776

Date: Tue, 28 Jul 1998 07:58:22 -0700 (PDT)
From: KB0VCC/1 <kb0vcc@rocketmail.com>
To: qrp-1@Lehigh.EDU
Subject: [16293] Re: High Altitude HALO jump is * A GO* / and BB Event...
Message-ID: <19980728145822.22003.rocketmail@web4.rocketmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

>I have been planning a high altitude HALO jump but most of
>you know that I had some serious set backs.
>It looks like everything is going smooth for my record jump.
>I'll have a beacon on 7.040.
>I plan to exit at 28,000feet and open at 16-18,000ft.
>The bird is busy on weekends so i'll have to do this on a week day.

Sounds cool! Let us know the date and time. If I'm working at the NH office that day, I'll bring in the OHR-100, my portable antenna, and an audio patch cable to digitize a recording of what you sound like here. I'll post it on my WEB page for those who missed it. Depending on condx, I predict pretty fair copy here, at least for a few minutes.

In other news... I forgot about the BB event until about the last hour. I snagged 4 BB's with the OHR on 40m in just a few minutes. Those were all within 500 miles. Two in NJ, one in ONT, one in PA. I then powered on the FT-990 to scan other bands but heard no other BBs. I wondered if some had quit early. Oh well. Maybe next year I'll volunteer to be a BB again. Plenty of remote hikes within a few minutes drive from here. ...anyone know if the OHR-500 will be available by then?

72/73!
-Dale

=====

Dale Anderson
KB0VCC

In the Mt Washington Valley
Conway, New Hampshire

QRP-L #91 / CQC #251 Grid Sq: FN43KX
ARS #234 / FISTS #3172 <http://www.qsl.net/kb0vcc>
=====

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 28 Jul 1998 09:10:41 -0600
From: "James R. Duffey" <ji3m@maxwell.com>
To: qrp-l@Lehigh.EDU
Subject: [16294] Need Datong FL-3 Manual
Message-ID: <v03007805b1e39a3db30c@[199.120.49.102]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All - Does anybody have a manual for a Datong FL-3 Audio Filter? I picked up an FL-3 at the Ft. Tuthill Hamfest. It did not have a manual with it. I am willing to pay xerographic reproduction costs and postage for a copy of the manual. In the mean time does anybody know what voltage it operates on?? It doesn't say on the voltage input plug.

For those of you unfamiliar with the FL-3 it is probably the high point of analog audio filter design. It has an auto notch filter, separately adjustable high and low cuts, adjustable bandwidth and is usable on CW, SSB and RTTY (Data) modes.

Thanks in advance for the help. - Duffey KK6MC/5

James R. Duffey KK6MC/5 DM65 <jamesd1@flash.net>
30 Casa Loma Road
Cedar Crest NM 87008

Date: Tue, 28 Jul 1998 09:16:29 -0600
From: "James R. Duffey" <ji3m@maxwell.com>
To: qrp-l@Lehigh.EDU

Subject: [16295] Ft. Tuthill Hamfest
Message-ID: <v03007806b1e39affe08e@[199.120.49.102]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I had a great time at Ft. Tuthill. It is a very nice Hamfest with a large Swap area and the big three commercial displays. Since the sQRPions have added the QRP Forum and group campground it is definitely in the "don't miss category". If you are within a day's drive of Flagstaff it is well worth the effort to attend.

Bob and Bertie did a very nice job of arranging the QRP activities and were very good hosts to those of us who came from afar. I bought one of the new Dan Tayloe SWR indicators that they were selling for \$10.00. I don't know if they will be selling them by mail, but it is a slick QRP SWR indicator. I also bought a Datong FL-3 audio filter at teh swap meet, and some miscellaenous stuff.

Thee QRP Forum was excellent and a door prize was offered after each speaker. I won a TICK keyer kit so I can't say enough good thigns about how nice the sponsors were to donate the stuff. Other prizes included a NorCal 20 to be delivered later, an SW-40+, a frequency meter, and a keyer transmitter.

Doug started off the Forum with a discussion of the NorCal 20 and passed around the prototype for everyone to ooh and aw over. An armed guard at the exit insured that Doug got the prototype back ;^). The NorCal 20 should be a good performer, and with the front end based on a diode double balanced mixer it should be a real eye opener to those who are used to the 602 based front ends.

Next some guy from New Mexico got up and babbled on about antennas.

Gary, N7IR, gave an excellent talk on QRP contestng and showed several slides of his new QTH and antennas. He gave several hints to increase one's score.

Chuck, K5F0, talked a bit about computer modeling tools, namely SPICE and NEC. The NEC antenna modeling results were fun to see as Chuck showed radiaiton patterns for almost every conceivable configuration of a full wave dipole on 40M, as well as several configurations of long wire antennas.

Dave, N1IRZ gave a nice talk on the Koch method learning the Morse code. He has written a book on the subject which is published by MFJ. Using Dave's techniques 90% copy at 15WPM is accomplished in less than 80 hours of practice for the average student.

Paul, NA5N, gave a great talk on the Sun, solar storms, and geomagnetic

storms. He pointed the origins of each and what they mean to operating conditions. Those of us who heard it can now understand the posts on Solar Activity that he makes.

Sandra was busy passing out NorCal Zombie badges. I received number 229. If you haven't gotten a Zombie badge yet, you should ask Paul, NA5N for instructions on how to get one, as the reverse side will grant you access to portions of Groom Lake. You should also request a prime number if possible as Zombies with prime numbers will be in greater demand during Zombie events ;^)=.

I am recovering nicely from my bout with pneumonia and I thank everybody who has given me encouragement in this effort. - Duffey KK6MC/5

James R. Duffey <jr3m@maxwell.com> (505) 764-3143
Maxwell Technologies Inc. http://www.maxwell.com/
2501 Yale Blvd SE Suite 300
Albuquerque, NM 87106-4200

Date: Tue, 28 Jul 1998 09:17:03 -0600
From: "James R. Duffey" <jr3m@maxwell.com>
To: qrp-l@Lehigh.EDU
Subject: [16296] Need Datong FL-3 Manual
Message-ID: <v03007808b1e39beb17f7@[199.120.49.102]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All - Does anybody have a manual for a Datong FL-3 Audio Filter? I picked up an FL-3 at the Ft. Tuthill Hamfest. It did not have a manual with it. I am willing to pay xerographic reproduction costs and postage for a copy of the manual. In the mean time does anybody know what voltage it operates on?? It doesn't say on the voltage input plug.

For those of you unfamiliar with the FL-3 it is probably the high point of analog audio filter design. It has an auto notch filter, seperatly adjustable high and low cuts, and is usable on CW, SSB and RTTY (Data) modes.

Thanks in advance for the help. - Duffey KK6MC/5

James R. Duffey KK6MC/5 DM65 <jamesd1@flash.net>

30 Casa Loma Road
Cedar Crest NM 87008

Date: Tue, 28 Jul 1998 11:42:55 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [16297] Parking Lot Portable Vertical (PLPV) (Long)
Message-ID: <21E06269B00ED111BE9B00805F6D0FA33009F5@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Many folks have asked me about the PLPV so here goes:

Like many of you I try to find the time to do as much QRPing as possible given the schedules of work and family. Although I have been a ham on and off since 1957 I never have been active during a sunspot cycle. I was bound and determined to be active this cycle and find a way to maximize my operating time. The only way possible for me to increase my operating time was at lunch time near work. Since like many of you I work in an urban environment I am faced with lots of concrete. My one restriction was not to have a BIG antenna on the car permanently. Bob Edwards W4ED showed the North Georgia (NOGA) QRP group a portable setup for his SLA vertical that showed promise but it did require a car and the antenna had to be adjacent to the car. He used a frame/stand that was held steady by a car tire resting on the antenna support frame. I was looking for something a little more flexible. Something that could be operated from a car, in the event of rain or bad weather but, also could be operated from anywhere it could be hauled. I like to bike ride and trail hike so I was looking for a method of setting up an antenna that was independent of trees and other local supports.

The design criteria:

1. Collapsible to less than 4 ft
2. Multi-band capability (at least 40,30,20,15,10 mtrs)
3. No tuner required
4. Coax fed (RG-58)
5. Light enough to be backpacked or carried on bicycle
6. Setup or breakdown time less than 5 minutes
7. Self-supporting (requiring no external supports)
8. Low profile for storage - "small golf bag" size
9. Low Price - Less than \$40

Using the idea of the SLA-type collapsible fishing pole as a vertical support I wondered how could I achieve the other criteria: self-supporting, quick setup/band change times and no tuner.

I came on the idea of a foldable wooden support structure that would hold the fishing pole erect and stable in reasonable winds. The fishing pole selected from a local Bass fishing store was a multi-section Carpie Pole made of black plastic that collapsed down to less than 4 ft and extended is almost 20 ft. I think any of the pole brands that have been mentioned on the various SLA articles would work.

I initially built a wooden foldable base that worked but was too heavy. At Home Depot I found some 1X1X36 inch aluminum angle that looked promising. Using four pieces I formed the base. Using a fifth piece I cut it in pieces and made a square base frame 3X3 inch and hinged the four 3ft pieces to the small square base. The remaining 2 ft piece I bolted to the small base (not hinged). I made a wooden Tee to screw the four base legs together so the base and legs were fairly rigid and self supporting. The 2ft section was vertical and the resulting structure looked like a four radial GP sitting on the ground. The fishing pole was cable tied to the 2 ft angle so the vertical when extended reached about 20ft. With the wooden Tee unscrewed from the four legs the legs fold towards the fishing pole. When then pole is collapsed and the legs are folded the entire structure is about 4ft tall and about 6-8 inches in diameter. It can easily be picked up with one hand. Its very light.

I had read that verticals with a limited number of above ground radials being more effective than verticals with a similar number of radials on the ground so I decided to have the base of the vertical be about 1.5 to 2 ft off the ground and that any radials would be slightly sloping downward towards to ground at the outer ends. I decided on initially trying two radials on opposite sides of the base.

The antenna would be coax fed with 50 ohm RG-58 and coax sections would be available to cover varying distances from 20 ft to 70 ft from the base of the antenna to the transceiver. This arrangement would accommodate a variety of setup conditions with the shortest amount of coax.

The no tuner requirement meant pretuning the antenna for the bands of interest. Initially I tried the multi-wire parallel configuration with individual wires cut to each band but the interaction seems to be too tough to solve. So I cut a 1/4 wave length for the highest band of interest (10 mtrs). One wire for the vertical section and two for the radials and attached them to the coax at the base in the classic inverted Y configuration. The vertical wire connected to the

inter-conductor of the coax and one end of the radial wires to the outer shield of the coax. To decouple the coax feedline from the antenna I made a RF choke by wrapping about six turns 6 inches in diameter of coax and tapping them together. With my trusty MFJ SWR analyzer I checked the arrangement for freq vs min SWR. On all bands tried I could get a low SWR but using the book formula length where a quarter wave (ft) equals $468/\text{freq(in Mhz)}/2$. The problem I noticed was that the frequency at the low SWR point was always lower than expected by the formula. But by careful pruning of the radials and the vertical section I could get the antenna to have a low SWR < 1.5 to 1 in the frequency range of interest. I then calculated and added sections to all three elements to get to the next lower band and prune for SWR in the new frequency band of interest. I have done this for three bands to date (20,15,10). So you have one, second or three little wire segments depending on the band. How do you keep them together, yet apart, for the unneeded segments. My wife's sewing box had some light weight elastic band tape (looks like stretchy string) that is used for making or mending expandable clothing. I took a four inch section and attached the end of the wire segments by simply knotting the wire and the elastic leaving about one inch of wire over the end of the knotted area. To the wire ends I crimped on some small quick disconnects (from RS). When completed the connected wire segments can be pulled taut and the segments will be apart a few inches. To give the horizontal radials a little extra support I taped the segments to a piece of light weight nylon rope. The vertical is clipped at the very top of the extended pole to an section of elastic connected to the last wire segment. When fully extended the segments are stretched a small amount. To change from band to band you simply collapse the pole and connect the needed segments and re-extend the pole. The radials are similarly connected. Since the all the segments are already in place the operation takes less than a minute. The pole can handle a 1/4 wave length vertical wire down through the 20 mtr band (i.e. 16.6ft). To accomplish the remaining bands (40 and 30 mtrs) you need to form a loading coil and an additional wire segment above the coil. These can be made in a quick disconnect manner previously described. The 40 and 30 mtr segments should be made separately to simplify the antenna. If these lower bands are rarely used I would keep them aside and not complicate the vertical or radial segments. But if operation is desired routinely you can have them in place just like the wire segments for the higher bands.

The results of the antenna have been better than expected. QRPTTF and ARS Bumblebee events have proven its effectiveness. More importantly I can go out at lunch and catch some QRP action.

Sam Billingsley AE4GX
sbillingsley@usaninc.com

Atlanta, GA e-mail:

Wire (Inverted L), Butternut Vert, AEA Isoloop, Parking Lot Portable
Vertical(PLPV)

40mtr	Ramsey	QRP+	HW7	HW8	HW9	NorCal	38S	PixieII	
NORCAL	2210	MI-QRP	1567	QRP-L	1033	ARCI	9356	AKQRP	308
GQRP	9660	ARS	269	NOGA		CQC	454		

Date: Tue, 28 Jul 1998 10:45:49 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: Brad Mugleston <bmug@gwl.com>
Cc: "'qrp-l'" <qrp-l@Lehigh.EDU>, "'cw'" <cw@qth.net>
Subject: [16298] Re: [CW] FYI
Message-ID: <35BDF22D.507CCEA4@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yep - JY1 himself.

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Brad Mugleston wrote:

>
> * Jordanian officials say King Hussein has begun chemotherapy at
> the Mayo Clinic in Rochester, Minnesota, U.S., following
> his being diagnosed with lymphoma.
>
> Isn't this guy a ham?
>
> de KB0ROL, Brad

Date: Tue, 28 Jul 1998 10:24:08 -0700
From: Charles Kadesch <chas@digizen.net>
To: qrp-l@Lehigh.EDU
Subject: [16299] Solar Info / SOHO
Message-ID: <35BE0938.B42@digizen.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The wayward SOHO satellite has apparently been found rotating slowly near it's original position in space and it's solar panels may soon face the sun again - allowing it's batteries to recharge. The slow rotation may indicate it has incurred only minor damage. Hopefully, NASA could then re-establish contact- and, if we are lucky, the very useful solar info the SOHO can provide which relates to the ionosphere and radio propagation might resume.
-72 de Chas W3KC-

Date: Tue, 28 Jul 1998 09:00:26 +0000
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-1@Lehigh.EDU, azqrp@dancris.com
Subject: [16300] Ft Tuthill Hamfest/QRP Activities
Message-ID: <199807281556.IAA20501@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ft. Tuthill 1998 is over, and we had a great time at the QRP sessions. There were 43 'registered' attendees, with a couple of dozen walk-ins who didn't stop by the booth, so it was a success, to be sure. This may be a long note, so if you're not interested, may as well hit 'delete' now, 'cause I want to give credit to those who helped out and did such a good job;

Bertie N7XJW, and Joanna Kassels (Brian's xyl) handled the booth and registration on Saturday, and Bertie then raced to each session to pass out the door prize tickets, even managing to attend a couple of them. Brian W5VBO spent most of the day at the booth, selling the LED SWR indicator, and explaining how it works, and Floyd NQ7X (Champion Fox Hunter), also served his time there. Between the stuff the Brian had to sell, the ARCI material, and a bit of space we allowed Radio Paul, it was very busy, and a bit crowded, but lots of fun.

The Symposium couldn't have been better. The schedule was posted a couple of times earlier, and Jim Duffey has given a bit about it, so I won't go into too much detail other than to say that we all owe a great deal of thanks to the speakers, who all did a great job. Maybe even made a few converts.

Very Special thanks go to the donors of the door prizes;

Dave Benson of Small Wonder Labs for the SW40+ won by Gary Surrency

AB7MY

Gary N2JGU and Brad WB8YGG of Embedded Research 'The Tick Guys', for a Tick2 EMB won by Jim Duffey KK6MC

Marshall Emm of Morse Express for the Apell Keyer kit, won by Howard Myers W7ILW

Neil of Almost All Digital Electronics for the DFD-3 display kit, won by Steve Schroder KI0KY

Gary N2JGU and Brad WB8YGG of Embedded Research for the EPS Power Supply, won by Galen Krisov KC5TUH

NorCal for the NorCal 20 kit, to be delivered later, won by Steve Schroder KI0KY

All of these great prizes helped make this weekend a great success, and we really appreciate them.

The group cook-out Saturday night was presided over by Mike Connor NQ7K, who did a great job. Where he got those huge steaks, I don't know, but they were definitely impressive. Melissa Surrency KC7MML helped out as well. The weather held out for us, so we didn't need any canopies except the stars peeking through the pine trees. Great food, great friends and a great time for all.

So, if you haven't been to Tuthill, try to make plans to come on up. For next year we would like to try to get some vendors to come, as well, as there is more and more interest in QRP in the Southwest, and we had lots of visitors. If we had some kits to sell, we could have sold them out.

When I get all the stuff unpacked, I'll post some pics on my page (<http://www.dancris.com/~ki7mn>) for all to see.

Date: Tue, 28 Jul 1998 15:55:30 -0700
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>
To: QRP-L@Lehigh.EDU
Subject: [16301] N6MM Bumblebee report
Message-ID: <35BE56E2.7750@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Three list readers noticed that I failed to include a factor of three in the number of bumblebees worked for the multiplier. While typing the log for a future addition to my web page, I found three more bumblebees in my field, pencil log that did not get into my ink log. Thus the final claimed score is:

$((10 + (45)2)QSO \text{ pts})(21 \text{ BBs})(3) = 6300 \text{ points.}$

I am not counting possible BBs that did not use a "/BB" with their call, but I doubt I have many QSOs in that category.

73, Harvey, N6MM <http://home.earthlink.net/~n6mm/bb.htm>

Date: Tue, 28 Jul 1998 10:07:16 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'w5yr@swbell.net'" <w5yr@swbell.net>, Brad Mugleston <bmug@gwl.com>
Cc: "'qrp-l'" <qrp-l@Lehigh.EDU>, "'cw'" <cw@qth.net>
Subject: [16302] RE: [CW] FYI
Message-ID: <01BDBA0F.8081ADE0.bmug@gwl.com>

Thanks everyone for the conformations.

de KB0ROL, Brad

-----Original Message-----
From: George T. Baker [SMTP:w5yr@swbell.net]
Sent: Tuesday, July 28, 1998 9:46 AM
To: Brad Mugleston
Cc: 'qrp-l'; 'cw'
Subject: Re: [CW] FYI

Yep - JY1 himself.

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Brad Mugleston wrote:

>
> * Jordanian officials say King Hussein has begun chemotherapy at
> the Mayo Clinic in Rochester, Minnesota, U.S., following
> his being diagnosed with lymphoma.
>
> Isn't this guy a ham?

>
> de KB0ROL, Brad
< >
< * * * * * THE CW REFLECTOR * * * * * >
__Subscribe To: Majordomo@qth.net with Body: subscribe cw
__Unsubscribe To: Majordomo@qth.net with Body: unsubscribe cw
__To post, send to cw@qth.net please, CW issues only
__For digest version, Subscribe to cw-digest through majordomo@qth.net
__For archives of postings, see web page <http://www.qth.net/cw-digest.archive>
__To contact list owner, email to owner-cw@qth.net

Date: Tue, 28 Jul 1998 11:07:36 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: ji3m@maxwell.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16303] Re: Need Datong FL-3 Manual
Message-ID: <35BDF748.A85F6A55@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim, I have a mint FL-1 (Serial # 2535 - 9.9 cosmetic and performance) and documentation. I would be pleased to copy the docs and send to you.

You are correct: it is pure magic for an analog device. Does bandpass filtering (center-freq and bandwidth controls) and auto-notching or auto-peaking. Actual performance is arbitrarily close to that of the JPS NIR-12 except that it is slower in auto-notching, etc. Filtering sounds about as good. Dr. Datong really knew his circuit design! I use it with my mobile IC-730 in the motorhome.

I run the FL-1 from a 12-volt supply. It is rated for 6.5 volts to 16 volts power input.

Glad to hear that the bugs were exterminated!

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

James R. Duffey wrote:

>

> All - Does anybody have a manual for a Datong FL-3 Audio Filter? I picked
> up an FL-3 at the Ft. Tuthill Hamfest. It did not have a manual with it. I
> am willing to pay xerographic reproduction costs and postage for a copy of
> the manual. In the mean time does anybody know what voltage it operates
> on?? It doesn't say on the voltage input plug.
>
> For those of you unfamiliar with the FL-3 it is probably the high point of
> analog audio filter design. It has an auto notch filter, separately
> adjustable high and low cuts, adjustable bandwidth and is usable on CW, SSB
> and RTTY (Data) modes.
>
> Thanks in advance for the help. - Duffey KK6MC/5
>
> James R. Duffey KK6MC/5 DM65 <jamesd1@flash.net>
> 30 Casa Loma Road
> Cedar Crest NM 87008

--

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Tue, 28 Jul 1998 12:14:30 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <w5yr@swbell.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [16304] Re: Need Datong FL-3 Manual
Message-ID: <009c01bdba42\$ce11c1c0\$bd1205d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi George and group,

From: George T. Baker <w5yr@swbell.net>
>Glad to hear that the bugs were exterminated!

Or had enough seniority to become a feature. :)))

Just kidding, I don't have one but heard good things about it.

73/72 de Vince, VE3VFN.

Date: Tue, 28 Jul 1998 12:44:41 -0400
From: Tom McCuen <tjmc@erols.com>
To: qrp-1@Lehigh.EDU
Subject: [16305] Old Book, Modern Radio Comm, 1941 ; FREE
Message-ID: <35BDFFF9.2CDE@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I came across an old book at a local garage sale.
I fiq someone here would be interested....

Modern Radio Communication, vol 2, third edition, reprinted 1941
(1939edition) by J H Reyner ; Pitman Press pub.
A small book abt 260 pages size of 7x5 inches, in good codition.

If interested, email me. If many replies, I'll take the 13th reply.
Requesting only you send a prepaid mail envelope for the book.

73
Tom aa2vk

Date: Tue, 28 Jul 1998 11:50:55 -0500
From: aweiss@usd.edu (A. Weiss)
To: qrp-1@Lehigh.EDU
Subject: [16306] RE: Tnx Mike/KU4Q0: what a group!
Message-ID: <199807281650.LAA04372@sunburst.usd.edu>

Hi gang:

Somewhere back in June I asked if anyone had a spare
74C02N because it appeared that the one in my handheld
freq. counter went south. Had several replies. Mike KU4Q0
graciously packed a shipped one. In the meantime, I've
been working on and working out w. my Altoids rig, so no
time for the freq. cntr.

Well, last night at 0120, I finally finished the last soldering,
plugged in a batt, and hoorraayyyyy! It counts again!

My tnx to Mike!

His offer of help is indicative of what makes this QRP-L so great! The spirit of QRP!

73, Ade W0RSP

Date: Tue, 28 Jul 1998 18:07:26 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: PGSPersEng@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [16307] Re: Elmer101: Tweaks
Message-ID: <199807281707.SAA16691@chuck.dallas.sgi.com>

Paul et.al.,

1. Use clear finger nail polish on the toroid(s). Cheap and it works great.
2. On the hum. You did not say what you were using for P/S. Battery? Otherwise check the DC output from other P/S's. P/S = Power Supply.
3. The "I'm turning off patented NN1G feature" of the SWL-XX and SW-XX+ series is due to the audio section becoming an oscillator as the voltages and currents wind down. See Elmer200 series later for some reasons why this happens. :-)

Hope this helps....

FYI

Chuck Adams K5F0 Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Tue, 28 Jul 1998 18:10:49 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: tahrens@inetport.com
Cc: qrp-l@Lehigh.EDU
Subject: [16308] Re: New Call Sign
Message-ID: <199807281710.SAA16760@chuck.dallas.sgi.com>

Tim,

Hmmm.

Did the FCC not already play games with me when I started?

KN5FJZ - try that call 50 times on your bug!!!

K5FJZ - not much better

and then

K5FO - random call assignment circa 1970 when I was in graduate school and just got active and someone told me I could ('cuz I was an Extra) trade in and get a two letter call. They neglected to tell me that I could request the call.....

dit dit

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Tue, 28 Jul 1998 10:46:16 -0700
From: "Jim Johnson" <km7h@gte.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [16309] FS: QRP++
Message-ID: <000301bdba4f\$9fe1ccc0\$a9fe2399@km7h>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Very nice QRP++. Asking \$450.00 +shipping from 98037
Email for further info.

Jim Johnson, KM7H
Mukilteo, WA
QRP ARCI #3497

Date: Tue, 28 Jul 1998 10:54:10 -0700
From: bens@valint.net
To: <qrp-1@Lehigh.EDU>
Subject: [16310] K5ID, Ken I believe
Message-ID: <199807281754.NAA21926@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Ken,
You asked me abt the Argonaut 515. I might be interested in selling it.
Please contact me at bens@valint.net. I am going to work tonight till 9pm,
but will check mail when I get home.

73,
Bob, KQ7J
bens@valint.net

Date: Tue, 28 Jul 1998 19:19:37 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [16311] Elmer200: Data Book for HB
Message-ID: <199807281819.TAA17235@chuck.dallas.sgi.com>

Gang,

I'm getting email from a lot of people inquiring
about a source for the Data Book for Homebrewers
and QRPers book written by Paul Harden, NA5N.

Quicksilver Printing
Attn: Paul Harden, NA5N
Box 757
Socorro, NM 87801

For \$20 + \$3 shipping US/VE, this will get you
a personally autographed copy.

I don't get any kickback for this. It is a great
source of information that can be found by looking
through a stack of catalogs and looking for a long

time through a lot of URLs. Reviews abound in the archives and little tidbits that others have found useful.

You don't have to buy one, but I highly recommend it for the well stocked experimenter's workbench and lab.

FYI

Oh, and if you do this, I'm sure that Paul will make an extra effort to get you a prime number'd Zombie badge: (here are the primes up to 541 for the mathematically interested)

2	3	5	7	11
13	17	19	23	29
31	37	41	43	47
53	59	61	67	71
73	79	83	89	97
101	103	107	109	113
127	131	137	139	149
151	157	163	167	173
179	181	191	193	197
199	211	223	227	229
233	239	241	251	257
263	269	271	277	281
283	293	307	311	313
317	331	337	347	349
353	359	367	373	379
383	389	397	401	409
419	421	431	433	439
443	449	457	461	463
467	479	487	491	499
503	509	521	523	541

This outta make things interesting. :-)

FYI

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Tue, 28 Jul 1998 10:20:33 -0800
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>
To: Scott Howell <showell@hq.nasa.gov>, qrp-1 <qrp-1@Lehigh.EDU>

Subject: [16312] Travel Antenna - Masuring tapes de AL7FS
Message-ID: <35BE1671.67B7137C@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Travel Antenna - Masuring tapes
de AL7FS, Jim

Ok, let's try this ascii stuff.

```

      ||<---aluminum bent in two and screwed in place
hole---->||      between the two tape measure. Flared at
for ---->||      bottom to make platform for the so-239
hang- ____||____
ing |  |||||  |      If possible, use a tent grommet in
   |  |||||  |      the hanging hole to keep from cutting
   |  |||||  |      the rope on the aluminum.
   |  |||||  |<---tape measures screwed together
   |  |||||  |      on opposite corners with longer bolts.
_ |  |||||  |_
|  |||||  |<---Devise a leather (or whatever) strap
|  |||||  |      to keep the handles from unwinding
   |  |||||  |      once set to length (old belt?)
   |  |||||  |      MMMMMMMM_____ Alligator clip on correct
   |  |||||  |      /                length of wire (soldered to
   |  |||||  |      /                center)
   /  \  /  \  /
  /    \  \  \  \
 /      \  /  \  \
/____i--i_/____\
|               |
|_____||<-----S0239 (female for the PL259)

      /MMMMMMM_____Alligator clip on correct
      /                length of wire (soldered to
      /                shield)
      /                clip the alligator clips onto the
      /                edges of the tape.  Not the flat.
```

I hope this helps. I used courier font and fixed width. If it is messed up, try cutting and pasting into a word processor and widening out the margins, change the fonts. Play with it.

>From earlier post:

Greetings from Alaska,

I still use a measuring tape antenna (as well as my SLV/MMA) when I go out in the motorhome. I have one made out of two 50 foot tape measures. You can remove some of the screws (alternate corners) and fasten the two tape measures together with

longer bolts. Then you just fashion a method to mount the S0239. Mine is made of leather. I have seen a better model made of bent aluminum with nice camping grommets banged into the hang-up hole. The two alligator clips come off the S0239 with quality wire and once the length of each side of the antenna is correct, you clip the alligator clips onto the edges of the tape. Not the flat. Also, a piece of leather (or whatever) keeps the thing from unwinding. Good for 40-10 (maybe even 6 and 2) meters. A bit of thought will allow a creative solution to all aspects of this one.

The formula for the length to use (approx.) is:

$((468 / \text{freq in MHz}) - 1.5) / 2 = \text{length for one side of the tape measure.}$

e.g., for 7.040 $((468 / 7.040) - 1.5) / 2 = 32.5 \text{ feet per side.}$

This seems to work well enough to use without tweaking if I have no tuner. Your mileage may vary and a bit of playing around on one weekend will give you all the data you need to figure out your own formula if it needs to be different.

These tape measure antennas work fine but do not like really severe winds. I used one out on the Iditarod Trail when I was the radio operator for the checkpoint in Shaktoolik (check it out on a map). A full blown Arctic storm finally stressed the metal until it broke. (Yes, I had several backup antennas but putting them up in snow and a wind I could not stand up in was another story.)

Good luck,

73, Jim, AL7FS
Anchorage, Alaska

Date: Tue, 28 Jul 1998 20:04:47 +0200
From: Guy MARCHAL <guy_marchal@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [16313] Re: BD139 as HF final amplifier
Message-ID: <3.0.1.32.19980728200447.00691394@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello OM's,

At 09:16 27/07/98 +0200, Paolo wrote:

> does anybody know if the BD139 (nnp transistor) could be used
> as final stage in a QRP tx for HF (possibly 10 meters)?

Yes and it works nicely ! But, with 12V power supply, don't hope to have much more than 1 or 1.5 W. Those manufactured by Philips give more power on 15 and 10 meter than the others.

With 24V, the output power is a bit higher. The BD135 works even better, but don't forget the usual 33V zener to ground just before the output filter and take care for the SWR !

No antenna or a bad one could be lethal for the little beast.

>And if so, any suggestion for the output matching network?

Output impedance is around 50 ohm in those conditions. So a choke in the collector and the usual low pass filter will suffice.

>

>72 de Paolo IK2LNH

Hope it will help. But at the price of those (rather old) transistors (50cents), it would not be a great waste of money.

72/73

Guy ON5FM

Date: Tue, 28 Jul 1998 14:26:42 -0400

From: "Vincent Ferme" <vferme@sprint.ca>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [16314] Re: Elmer200: Data Book for HB

Message-ID: <00b701bdba55\$456ade20\$bd1205d1@frsswilap04284.callnetcanada.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Chuck and group,

It's also available from Kanga US and HB Electronics, less the autograph.

No kickbacks here either.

73/72 de Vince, VE3VFN.

-----Original Message-----

From: Chuck Adams <adams@chuck.dallas.sgi.com>

>I'm getting email from a lot of people inquiring

>about a source for the Data Book for Homebrewers

>and QRPers book written by Paul Harden, NA5N.

Date: Tue, 28 Jul 1998 14:36:49 EDT
From: Robsparks@aol.com
To: qrp-1@Lehigh.EDU
Subject: [16315] St. Louis Vertical
Message-ID: <6b97ce93.35be1a42@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello folks,

Does anyone out there have an SLV (St. Louis Vertical) 10-40 meter kit that they would like to sell? I have the pole and am looking for the coil kit made and sold by Vern Wright.

Thanks,

Bob Sparks AB5ZD QRPL #185

Date: Tue, 28 Jul 1998 14:40:42 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-1@Lehigh.EDU
Subject: [16316] WTB DeMaw toroid book
Message-ID: <v03102800b1e399a90e17@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does anyone out there have a copy of DeMaw's Ferromagnetic Core Handbook they'd like to sell?

Thanks and 72/73,

Rick kf4ar

Date: Tue, 28 Jul 1998 15:05:25 -0400 (EDT)

From: George Gingell <k3tks@u1.abs.net>
To: Thomas Roth <th.roth@apc.de>
Cc: G-QRP Club E-mail Reflector <gqrp-1@blacksheep.org>, QRP List <qrp-1@Lehigh.EDU>, Dave Johnson KnightLite QRP Club <klqrp@waterw.com>
Subject: [16317] Re: GQRP - QRP-NET
Message-ID: <Pine.BSI.3.96.980728112829.16590B-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
Content-Transfer-Encoding: QUOTED-PRINTABLE

Hi Thomas,

I would like to wish you good luck at getting a QRP Net started for UK/EU.

I have been in charge of the QRP ARCI QRP Nets here in the USA for a bit over ten years now and I will tell you straight off that it is a challenge to get a QRP NET started and keep running. On the other hand, It can also be a lot of fun and give you a chance to meet some great operators and improve your skills at the same time.

We have used regional nets for the most part, but of course we do not limit participation to any of the nets. We even welcome QRO stations to join in with us if they like. Occasionally one will QNI and then realize that everyone else is running much less power and doing fine. It gives them the thought to try turning down the Drive on their rig to see how well they can do. Next thing you know we have a new part-time QRPer.

We seem to be in a bit of a slump with QRP Nets here in the USA right now.

I suspect that it has a lot to do with the conditions the past year or so and I am hoping that we will see new interest as the bands start to get hot again. Only the SEN (Southeast Net) & NWN (NorthWest Net) are active here in the USA at this time. We have lost most of our NCS Ops for the others. Most of our activity is on or near 7.040 MHz on Saturday Mornings.

We had nets on 7.030, 7.040, 3.560 & 14.060 Each with different Days and times. There were also some on 3.535, 3.579, 3.686, & 7.110 by other groups.

There are a few other QRP nets over here which are currently active. One called the KnightLite QRP Net here on the East Coast every Sunday Night at 9:30 pm Local (0130 UTC Monday) is very active. It is on 3686.4 KHz. a commonly available computer crystal. There are quite a few Crystal controlled (VX0) milliwatt rigs built specially for this Net. The SMiteKit is available from Bob Kellogg, AE4IC of the Knight Light Club.

I believe they are still available for \$ 10.00 U.S. plus shipping from Bob Kellogg <ae4ic@nr.infi.net>. It is a Very Neat little Surface

Mount Version of a "Pixie" DC Transceiver which runs about 200 mW output. It was designed a couple of the club members as a club project intended to be used on their club nets.=20

That might be something to think about trying on 80M over there. Some have used an ATU or Filter ahead of it to reduce BCI.

The 20 meter band might be better choice for EU. Bear in Mind that there will be about 1000 new QRP rigs on 20 Meter band later this year.=20

The NorCal QRP club will soon be offering its' Special new kit The MorCal 20 Transceiver. Details on the QRP-L Reflector. It will sell for \$ 95.00 plus postage of \$ 5.00 in U.S., \$ 10.00 Canada & Europe, \$ 15.00 Asia and the Pacific Rim. Payment in U.S. funds ONLY, and checks made out to "Jim Cates", not NorCal. European members may order from Stephen Farthing in UK using British Pound Sterling.

NOTICE ! NO ORDERS WILL BE ACCEPTED BEFORE 1 AUGUST 1998 !

This is to allow all a fair chance at this limited edition kit.

This is a full fledged QRP Transceiver for 20 Meters of Superhet Design, with all the bells and whistles included. Power variable from 0-5 Watts Output. VFO controlled, Custom Keyer and Freq readout included. 5 pole crystal filter and a 2 watt Audio Amplifier.

All you will need to add it an antenna, battery and a key or paddles.

Address Info:

Jim Cates, 3241 Eastwood Rd. Sacramento, CA 95821

Stephen Farthing, 38 Duxford Close Melksham, Wiltshire SN12 6XN, England

Please contact me direct if you have any other questions about QRP Nets and I will be glad to try to help you get something started.

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789=20

Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -=20

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

On Tue, 28 Jul 1998, Thomas Roth wrote:

```
> Hello fellow QRP'ers
>=20
> I'm sure I'm not the first one to play around with this idea and, having
> been on this list for only a short time, I have no idea how often this ha=
s
> been discussed here before. So in case I'm boring you to death I beg your
> forgiveness. However, here comes :=20
>=20
> How about having a net ?!? Something every week or every two weeks or so.=
=20
>=20
> I've been listening in on various American nets years ago, but due to my
> very restricted antenna situation (which hasn't changed) never managed to
> get in. Sounded like a lot of fun though. And with European countries bei=
ng
> so close to each other, we could have a really multinational thing going.
> Might also raise a lot of interest in QRP, especially among newcomers/nov=
ices.
>=20
> Suffering from said antenna situation I unfortunately can't offer to act =
as
> Net Control Station to get things started, but I'm sure there are some
> among us who (if they wanted to) could do it. Personally, I would think i=
t
> permissable for the Net Control to run QRO while he/she is at it. Another
> idea is to have not one, but several Net Control Stations so they could
> rotate. Do the job maybe once a month, so it wouldn=B4t become sort of a =
drag
> after a while (we all have other things to do at times).=20
>=20
> Then of course there's the question of frequency, what's better 40m or
> 20m.....?
> Should it be a CW or SSB net ? Should there be both ?=20
>=20
> Ok, I'm getting carried away. Let's have some input on this and maybe we
> can get something going.=20
>=20
> 72's de Thomas, DL40BN, G-QRP #5672
> ---
> Via GQRP-L - The G-QRP Club mailing list
>=20
```

Date: Tue, 28 Jul 1998 12:26:44 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-1@Lehigh.EDU
Subject: [16318] SW40+ for trade; MFJ-259 to sell
Message-ID: <19980728.122644.10134.0.gsurrency@juno.com>

Gang,

ITEM TO TRADE:

SW40+ kit unbuilt to trade for SW30+ kit unbuilt, less enclosure. value:
\$55

ITEM TO SELL:

MFJ-259 SWR analyzer \$150.

New condition - no scratches. It has the better (black plastic) AA
battery holders, and includes batteries and manual. Reads freq., SWR, and
antenna resistance 1.8 to 170 Mhz. Works great, but excess to my needs.

Both items include USPS Priority mail shipping CONUS.

I have a un-opened 40m SW40+ kit that I was lucky enough to win at the
Tuthill hamfest. Problem is, I've already bought and built a SW40+ for
40m and it works superbly. I would really like one for 30m, the SW30+.

So if you have an unbuilt SW30+ kit, and would like to trade it for an
unbuilt SW40+, please reply. I really want the SW40+ kit to go to a good
home, and I am looking for a SW30+ kit for 30m.

It goes without saying, that we are extremely fortunate to have Dave
Benson and Small Wonder Labs for his generosity and wonderful products.
And, since I have already built a SW40+ for 40m, should you have any
problems or questions, you can rely on me (or Dave!) to help out all
that I can.

PS.

I highly recommend Dave's custom enclosure, as it looks great and
includes all the necessary wiring, connectors, controls, and Ten-Tec mfg.
custom painted and silk-screened cabinet. The finished rig is rugged and
very compact. I've already sent for another enclosure for the SW30+ I

eventually will obtain.

72 to all,

Gary Surrency AB7MY

S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D NC40A

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

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Get completely free e-mail from Juno at <http://www.juno.com>

Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 28 Jul 1998 14:25:01 -0500 (CDT)

From: chris cieslak <ccieslak@CUTTER.AGE.UIUC.EDU>

To: qrp-l@Lehigh.EDU

Subject: [16319] what band?

Message-ID: <Pine.LNX.3.96.980728142337.7725A-1000000@CUTTER.AGE.UIUC.EDU>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

i am going to build a qrp rig soon. should i build for 20, 30 or 40? 80 seems to be out of the question due to antenna restrictions (i will probably be using a mobile antenna due to the fact i live in an apartment.)

chris, aa9hd

chris cieslak * ccieslak@uiuc.edu * <http://www.chriscieslak.com>

advertising * university of illinois

"Outside of a dog, a book is man's best friend.

Inside of a dog, it's too dark to read." --Groucho Marx

Date: Tue, 28 Jul 1998 14:40:04

From: Steven Weber <kd1jv@moose.ncia.net>

To: qrp-l@Lehigh.EDU

Subject: [16320] 1 micowatt to 1 Kw power meter

Message-ID: <3.0.3.16.19980728144004.21a75fe4@mailhost.ncia.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Unbelievable!

I just down loaded the data sheet for the AD8307 log amp from Analog Devices and wow! Scanning through the data sheet, they show an application using the chip and a couple of R's and C's that will sample the voltage going to your 50 ohm antenna and measure the power directly from 1 microwatt to 1 kilowatt!

I think I smell an idea for a new kit....

72.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 28 Jul 1998 20:16:33 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [16321] Antenna Talk, MFJ Books
Message-ID: <199807281916.UAA17519@chuck.dallas.sgi.com>

Gang,

Thanks to Jim Duffey, KK6MC/5, for the kind words about Tuthill and the speakers in general. His talk on antennas was both educational and fun. Thanks again Jim.

He mentioned that I did a talk on NEC-2 and in particular EZNEC from W7EL and some sample antennas. My purpose was to show how one has to think in three dimensions when thinking about antenna systems and what they do. Of course there is never enough time, even given almost an hour to play around with some interesting antennas. The 3D views and the interface that Roy Lewallen, W7EL, has done is well worth the price.

EZNEC ("Easy-NEC") from Roy Lewallen, W7EL, PO Box 6658, Beaverton, OR 97007 for \$89 US and add \$3 for outside US/Canada. He does take plastic. w7el@teleport.com is the email address given in QST. Again, I paid full price and I don't get a kickback on this either. I'm going to have to learn how to get those kickbacks that everyone keeps saying they're not getting.....

You will need a good PC with math coprocessor and good graphics display helps a lot. 80386 or better with 2MEGS and a harddrive will go a long way. I use an HP series inkjet to print to foils for talks and it works beautifully for me.

At the end of the talk I asked if anyone in the audience had a copy of "73 Dipole and Long-Wire Antennas" by Ed Noll, W3FQJ. Not a single person showed a hand, so I passed my copy around. People were impressed. I thought everyone had this book in their library. It is a must if you have the real estate to play with 130'+ (40M) or longer wire configurations.

So,

<http://mfjenterprises.com/books/books.html>

and look under antennas

MFJ-3302 "73 Dipole and Long-Wire Antennas" by Ed Noll, \$12.95

and look under technical

MFJ-3506 "Ferromagnetic-Core Design and Application Handbook" by
Doug DeMaw, W1FB \$19.95

and there are a number of other good books in the series also. I highly recommend these books for any library for QRPers. We do like to read instead of watching TV and when the bands are dead.

Again, just to pass on some sources for reading and enlightenment among the QRP community. The modified version of the talk to be given at the Huntsville AL QRP forum in August. See you there and they only have to suffer 30 mins. :-)

dit dit

Chuck Adams K5FO Dallas, TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Tue, 28 Jul 1998 16:22:23 -0400

From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [16322] RE: WTB DeMaw toroid book
Message-ID: <000601bdba65\$6e325ee0\$901c7ccf@titan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We've got them new ... normally \$19.95 plus \$5 s/h ... It's on sale right now for 21.95 which includes s/h ... (\$16.95 plus the usual.)

Ferromagnetic Core Design and Application Handbook
DeMaw, MFJ

An excellent publication!
Tracy Markham, N4LGH
ByteMark / Amidon
tracy@bytemark.com
www.bytemark.com/amidon
800 679-3184

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Richard E. Robinson
> Sent: Tuesday, July 28, 1998 2:41 PM
> To: Low Power Amateur Radio Discussion
> Subject: WTB DeMaw toroid book
>
>
> Does anyone out there have a copy of DeMaw's Ferromagnetic Core Handbook
> they'd like to sell?
>
> Thanks and 72/73,
>
> Rick kf4ar
>
>
>
>

Date: Tue, 28 Jul 1998 20:09:27 +0000
From: Ed Loranger <we6w@qsl.net>
To: adams@chuck.dallas.sgi.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16323] Re: Antenna Talk, MFJ Books
Message-ID: <35BE2FF7.45A6@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, it is a great reference. I also have the
"73 Vertical Beam and Triangle Antennas".

The format of the book is 'How To' not necessarily
"Why". Always a great reference when you want to
build an antenna "TODAY!"

Drawings and measurements are straight forward.

Probably the 2nd and 3rd HAM books I bought.

..

Chuck Adams wrote:

>

<snip Tks to Jim for brevity>

> At the end of the talk I asked if anyone in the audience had a
> copy of "73 Dipole and Long-Wire Antennas" by Ed Noll, W3FQJ.
> Not a single person showed a hand, so I passed my copy around.
> People were impressed. I thought everyone had this book in their
> library. It is a must if you have the real estate to play with
> 130'+ (40M) or longer wire configurations.
>
> So,
>
> <http://mfjenterprises.com/books/books.html>
>
> and look under antennas
>
> MFJ-3302 "73 Dipole and Long-Wire Antennas" by Ed Noll, \$12.95
<snip>

72 Ed WE6W

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 28 Jul 1998 16:17:11 EDT
From: Davewb4@aol.com
To: qrp-1@Lehigh.EDU
Subject: [16324] a fun project a better rig (long)
Message-ID: <e489a15c.35be31c8@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang: The April QST featured an article by Dave Benson (NN1G) "Single Board QRP SSB Transceiver" Having never operated SSB QRP I built the rig Dead Bug on (3) 6"x2" boards and a seperate enclosed L.O. The rig worked fine with about 2.5 watts out in SSB. After a few contacts I realized why I operate almost always CW.

The receiver on this rig is as hot as a \$2 pistol. I never packaged the rig but had it all over the bench connected by jumpers. (now thats new) I was about to tear it down, but the receiver was to nice to gut. A little experimentation with Dave Benson's excellently designed varactor controlled L.O. showed that it could tune 150khz anywhere from 6.0 to 6.350mhz (I.F. is 8mhz)

I said to myself "Self" if you got rid of all that mike input junk, key the orignal 8mhz carrier osc. , feed that to the orignal TUF-1 transmit mixer, changed the switched Vcc ckts and added sidetone, you could have a hell of a nice CW 2.5 watt 20mtr rig. Well a little soldering later and the addition of a broad band amp before the 14mhz transmit filter (needed that to get output to 2.5watts CW) and a relay driver to accomodate a pin diode Dave uses in the RF input, it was finished. Output power is 2.5 watts to 3.0 watts depending on the final you use. I did not have a 2SC2312C as Dave recommended in his SSB version but used an NTE236 with no problem. This rig is fun to build and in the two weeks since it was finisheed I have been getting great reports from all over, especially Europe at night. With 20mtrs getting better every day it seems about 2.5 watts is just what the doctor ordered.

Dave Bensons design is a great rig to experiment with. It seems to me if you changed the I.F. to 4.032mhz (available computer xtals and changed the input, output and harmonic filters along with the BFO you would have a heck of a 30mtr rig.

Or change the I.F. to 12 mhz (also available cheap computer xtals along with the above and you have a 17mtr rig.

So if you have a couple of TUF-1 around and a 10 tern 100k pot (I just saw some in Hosfelt for \$9.95) you might want to build yourself a nice little rig. I also added A DFD back lit readout and you will be pleasently surprised how nice the L.O. Tunes.

If anyone is interested in the changes I made to the 20mtr version just E-Mail

73

Dave Rogers WB4ChK

P.S. I contacted Dave Benson and he said it was fine to publish these changes to his design.

Date: Tue, 28 Jul 1998 13:24:26 -0700
From: Conrad <radman@best.com>
To: "'kd1jv@moose.ncia.net'" <kd1jv@moose.ncia.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16325] RE: 1 micowatt to 1 Kw power meter
Message-ID: <01BDBA2B.0C45C120.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Steve,

That IS unbelievable! And, wouldn't it be possible to use a couple of 7-segment LEDs and create a compact digital readout Power Meter Kit -- suitable for home QTH or field use?

OR... consider this: you could use a device like Dave Benson's "Freq-Mite" and have your Pwr Mtr "annunciate" RF power out or your operating frequency in Morse? :)

OR... you could *combine* it with your LED keyer kit --using the 7-segment LEDs for RF power display, CW speed and freq !

I'm sure you'll come up with something. So many options.... put me down for one!

... I'd better get back to work :)

72 - Conrad Weiss - NN6CW

Unbelievable!

I just down loaded the data sheet for the AD8307 log amp from Analog Devices and wow! Scanning through the data sheet, they show an application using the chip and a couple of R's and C's that will sample the voltage going to your 50 ohm antenna and measure the power directly from 1 microwatt to 1 kilowatt!

I think I smell an idea for a new kit....

72.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 28 Jul 1998 15:36:26 -0500
From: W9SUL <pugrad@millcomm.com>
To: qrp-l@Lehigh.EDU
Subject: [16326] BB #28 Flight / Trip Report
Message-ID: <1.5.4.32.19980728203626.006ee130@millcomm.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings from BB #28 - W9SUL,

What a GREAT day... wonderful weather, a number of contacts, and a safe trip to and from Wildflower Park in Blooming Prairie, Minnesota for this years Flight of the Bumblebees from the home "hive" in Rochester, MN.

I had planned on working all four bands... but a quick check of propagation after setting up indicated that 20 meters was the 'band of choice' here in SE Minnesota. Basically, nothing heard on the other bands.

Lots of signals on 20 meters. The problem was them lasting long enough for me to contact them. Signals were very "thin" to start with and subject to very rapid QSB. However, I think I worked all but 4 or 5 stations that I copied in the four hour operating period. I either couldn't break a pileup or they faded away before it was my turn.

Longest contact was with Jim - AL7FS in Anchorage, Alaska. He sent me an e-mail note indicating that 'our part of the country' had about an 18 minute 'opening' into Alaska... and then we were gone. I was in the right place at

the right time!!

I used only the OHR 400 at 2.5 watts thru an MFJ-971 QRP tuner to a 51 foot speaker wire inverted vee fed with 300 ohm twinlead. I don't think it worked as well as the fan dipole fed with coax I used last year. But that's the fun... try and learn.

A reporter from the "Blooming Prairie Times" (the local weekly paper) stopped by to see what I was 'up to'. Rather than them interview me and then try to write something, I was asked to write an article for their paper about ham radio and the day's activity. This should be a fun assignment.

My stats for the event are as follows:

22 contacts... all on 20 meters

14 Bumblebees

8 Non-bumblebees

18 SPC's... 17 states and 1 Canadian Province - British Columbia

AK,CA,CO,CT,FL,GA(2),ID(2),KS,NC(2),NJ,OK,OR,MO,TN,TX,UT(2),WA & BC

I will be creating a 'limited edition' QSL card for all the contacts made during the 'Flight'. They should be ready in a few days.

My thanks to ARS for hosting this 'event'... Tons of Fun!!!!!!

73 Dave - W9SUL BB #28 Home "hive", Rochester, MN

Date: Tue, 28 Jul 1998 17:14:29 EDT
From: w4bld@juno.com (Robert B. Kerby)
To: qrp-l@Lehigh.EDU
Subject: [16327] Argonaut II
Message-ID: <19980727.171250.7871.3.W4BLD@juno.com>

Hi Gang - Does anybody have one of these for sale or trade? (I am into Boatanchors and have some neet stuff in duplicate for trading.) Thanks,
Bob

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 28 Jul 1998 17:21:11 -0400 (EDT)
From: tmjpain@mindspring.com (Tom Lundeen)
To: qrp-1@Lehigh.EDU
Subject: [16328] New Reciever
Message-ID: <v01540b01b1e3b80e779a@[209.86.172.43]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here is a hair brained idea. I love those little Sony Walkman FM radios--they have digital tuning, 10 memories, good sensitivity and fidelity--all for \$30. Why can't some bright person figure out a mod to put one on 20m CW? FM chips have been used in the past for CW transievers (Gary Breed). This seems like a very tempting project for someone with the skills (and time!). Any suggestions?

PS if you hear me struggling with CW on the air, please help me out. I am beginning to fear CW may be one of thoes unnatural acts punishable by god.

tfl

Date: Tue, 28 Jul 1998 14:22:11 -0700 (PDT)
From: "John D. Spittle" <jds@vcn.bc.ca>
To: George Gingell <k3tks@u1.abs.net>
Cc: Thomas Roth <th.roth@apc.de>, G-QRP Club E-mail Reflector <gqrp-1@blacksheep.org>, QRP List <qrp-1@Lehigh.EDU>,
Dave Johnson KnightLite QRP Club <klqrp@waterw.com>
Subject: [16329] Re: GQRP - QRP-NET
Message-ID: <Pine.GS0.3.95.980728141256.10624A-100000@opus.vcn.bc.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Thomas:

What's the big deal! For the past 5 or 6 years the QRP Club of British Columbia has been holding at least one net daily on 75M SSB. Currently we are on 3729KHz at 1700 PST and again at both 1930 & 2130 PST on 3760KHz(+/-QRM). 3729 is an exclusively Canadian frequency but 3760 gives us a chance to work into WA, OR & CA.

Good luck with your net!

72 Derry VE7QK

Date: Tue, 28 Jul 1998 17:32:37 EDT
From: k7sz@juno.com (Rick Arland)
To: qrp-1@Lehigh.EDU
Subject: [16330] BumbleBees
Message-ID: <19980729.215202.9975.2.k7sz@juno.com>

Many thanks to all who responded. Did manage to work a couple....however,
the test was smack in the middle of my fishing time.....the fish won!

73 rich K7SZ

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 28 Jul 1998 22:34:31 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [16331] Elmer200: Circuit Construction
Message-ID: <199807282134.WAA17986@chuck.dallas.sgi.com>

For the use of the general audience. Limit line length to 80 or less.

123456789 123456789 123456789 123456789 123456789 123456789 123456789
See this template? Use it please, but don't include in followup
postings and please do not repost this Elmer200 post in it's entirety.

Please.

0-----0

Gang,

Just a posting before starting on building and experimenting with
Oscillators and in general anything electrical or electronic.

Read parts of Chapter 25 of the ARRL Handbook, 1995 or later edition to get the latest rewrite of the book from the previous editions. Title of the chapter is "Circuit Construction".

Note that prototyping, experimentation, and general building techniques that we are interested in for the Elmer200 series of discussions and building include (but not limited to):

- o vector board with no conducting component(s)
(board with 0.1" holes in X and Y direction used for prototyping and wirewrap of computer boards sometimes)
- o vector board with soldering pads but no ground plane
- o vector board with soldering pads and ground plane
- o commercial protoboard without power supply
(0.1" center connecting points with friction fittings to hold leads and wires)
- o commercial protoboard with power supply
- o ugly construction using high ohmic resistors as tie points on a solid plane of PC board material
- o ugly construction using pads as tie points, either with pads cut out of the ground plane or attached with adhesive of some type also on PC board material
- o homemade PC board(s)

In the above list the abbreviation PC means Printed Circuit.

I have personally seen some anti-vectorboard postings and this probably due to one or more failures in getting something to work using the technique. You do have to be more alert so that you do not forget a ground connection to one or more points in the circuit. By being careful and even making a mistake aperiodically you can make it work and you will learn a great deal more when you have to think a little more about what you are doing and why.

In fact, look at the front cover picture for the August '98 issue of QST. Note the use of protoboard by Wes Hayward, W7ZOI, and Terry White, K7TAU, in their spectrum analyzer project. And I could list other sources from famous people that use vectorboard with great results over and over again. It just takes some practice and careful construction to do it correctly.

Note that Wes' use in a non-critical RF region here, but hey I saw it and wanted to reference it.

Vector board should be good for circuits up to and possibly beyond 50MHz and commercial advertisers give 150MHz as the upper limit for protoboards. Maybe the Elmer200 experiments can come up with some more solid RF freq limits for oscillators and how they are laid out using the various techniques. Several experiments will be conducted with RF generators to look at how well each construction technique works at the higher RF frequencies.

The protoboards are more expensive initially, but think of this.

- o you can build up a circuit, easily modify it, and when you get through, you can reuse the parts for another project. Providing of course that you do not destroy or damage them in some way. :-)
- o once you have the circuit working and optimized, you can then transfer it easily to a more permanent "home" on a PC board using ugly construction techniques or more detailed PC board etched layouts

Jim Kortge, K8IQY, in building his winning entry in the Dayton 2N2222 contest mentioned in email that he built each section and tested and optimized it using a protoboard and then transferred the circuits to the final PC board construction. I personally would think that this helps in several ways:

- o You test each circuit
- o You get to eliminate bad designs
- o You get to find bad components before you solder them into the final product
- o You probably get a good idea on an optimal physical layout for the final board configuration
- o And you get to double check your work as you go

So, for pictures and diagrams from the Handbook for those that have not yet tried any or all of these techniques, look at:

Figure 25.11 and 25.12 - ugly construction
Figure 25.13 - looks a lot like work in SSD book on top
Figure 25.14 - vector board construction
Figure 25.16 - commercial prototyping board
Figure 25.17 - vector board with wirewrapping

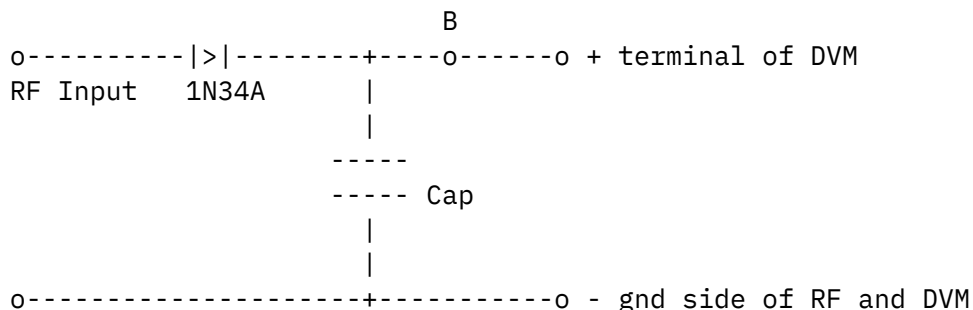
OK, this is just a start up posting. And some ideas to start looking for some stuff that you might wanna(**) try. I get PC board in various sizes at swapmeets for rather cheap prices and good quality and value. You do have to search around.

For those not fortunate enough to have a local supply of parts, then browse the catalogs and internet for such suppliers as Mouser, Digi-Key, and others. I'm sure we will see postings for bargains as they are found by others. Go to your favorite search engine and look around by keyword.

And, if I get enough requests, I'll put on my web page a photo of each type of construction as seen on the workbench of K5FO. But you have to buy the ARRL Handbook anyway... :-)
Also digital photos of several types of vectorboard material.

o-----o

As a warmup, build a simple RF probe using one or more of the above techniques. Try it out on RF levels up to a couple of volts and measure the response and plot a curve. Try this for a range of RF frequencies if possible. Suggested circuit:



Try several values and types of capacitors for Cap. For electrolytic, remember + side up in diagram. If you have a ferrite bead, try it at point B. Any difference(s) that you can detect? Why?

What if you use a 1N4148 or other diode for the 1N34A? Don't guess, do it. It's not what urban legend says it is.....

Try to find the classic article by W7EL on his wattmeter and compare his work with what we are doing here.

How does this circuit compare to the one in Figure 26.11 of the new ARRL Handbook? Experiment and summarize your findings. Someone do a destructive test, i.e. for 26.11 when will the diode destruct? It will. Of course, just one or two should do this. No need in killing off the world population of 1N34As, no matter how cheap they are at Radio Shack (1N270s).

July 28, 1998 de K5FO and any errors are mine and I get to keep them..... ;-)

Thanks..... dit dit

** wanna - TX talk for "want to"

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Tue, 28 Jul 1998 17:54:18 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: <ccart@dns.vidtel.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [16332] Re: Free parts... odd places...
Message-ID: <199807282155.1421300@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Chris Cartwright <ccart@dns.vidtel.com>; owner-qrp-1@Lehigh.EDU
>
> cassette... RIG HR IS A MUFFIN FAN...

Gee, this one is worth doin just to be able to say that!

72/73 de WB8RCR
didileydadidah

Date: Tue, 28 Jul 1998 17:55:19 -0400
From: Paul Helbert <phelbert@rica.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [16333] LMC662CN-ND sold out
Message-ID: <35BE48C7.271C3182@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks gangue,

The group purchase of the LMC662CN-ND cmos dual op amps is a sell out. Interested parties should have already received confirmation that they are on the list. I should begin shipping Thursday.

Please do post to the list as you experiment.

72,

Paul, Wv3j

Date: Tue, 28 Jul 1998 23:09:40 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [16334] Pacificon CW Tests Prelims
Message-ID: <199807282209.XAA18100@chuck.dallas.sgi.com>

Pacificon CW Tests and Fun Stuff at NorCal evening todo

Gang,

Everytime I post something to the group at large that is supposed to be simple it gets complicated in a hurry. :-)

Since I had done the CW tests before, Doug Hendricks thought that it would be a good idea to do this for the QRP group this year at Pacificon. Last year Ron, KU7Y, and I did the CW SS prep and pep talk which was a lot of fun for us.

Well, in a previous posting I made the announcement that I would be doing the CW receiving run at Pacificon. Well, it looks like the message was relayed worldwide outside the group at large. ;-)
The intent at the original time of the announcement was to provide a fun event at the NorCal evening festivities with about 30 mins to do it in. Well, this has gone out the window and in a hurry. I have gotten a lot of email on this, so here is the plan and as soon as the powers at large nail down a time and place then I'll come back with the details.

Here are some notes on work in progress:

- o Another run at the World Record again
- o 80wpm, or higher if needed, down to 15 wpm (note: starting top down)
Increments of 2wpm down to 70wpm and 5wpm thereafter 5 minute intervals
so you can see the timeframe involved
- o Plain text like that found in newspapers
- o Entries may use laptop for keyboard and have parallel port to print results. Hopefully printer to be provided for use at Pacificon.
- o May use earphones (if I and others can come up with a distribution system for standard 1/8" and 1/4" stereo plugs) and set the limit of speeds for this and the number of contestants that want a high speed qualifying run.
I need help here and ideas on power levels, fidelity, and individual level adjustments. Output from SGI computer with stereo output. Also some may want a tone changing circuit.
- o ARRL and standard word PARIS timing for the speed
- o Time period outside of QRP talks and evening session. I want to enjoy the festivities too.
- o Certificates to be printed onsite
- o Working with W7JWJ and other QRQ ops that want to participate and go for a new record. This is what got this started.
I had asked the ARRL a number of times to do this at Dayton but never got anything out of them to materialize. Just not enough interest. But it sure likes it is going to go at Pacificon. I'll post a reference to Harry's (W7JWJ) Ham Radio article later.

So, for those that queried about what to do to study.

1. Listen to a lot of plain text.
 - . W1AW qualifying runs and practice sessions
 - . W1NJM high speed sessions on 40M
 - . QRQ QSOs on all bands generated with computer keying
 - . All the above with 1:3:3:5 spacings, i.e. no weighting
dit:dah:character:word

Now, for the NorCal festivities I will sponsor another contest.
And hopefully this will meet with the approval of KI6DS et.al.

Prelim rules:

- o Sending contest only!!
- o MODE B Only :-) (MODE A only if demand and money appears)
- o Using your paddle of choice (you bring it)
- o 1/4" Stereo or 1/8" stereo plugs (tip - dit/ring - dah)
for connections already on the paddle or bring clip leads
- o Using MM-3 with keypad to set code speed and MODE

- o Entrants given plain text to send at their speed of
choice. Graded on error count. All same level text but
you draw for the text to send. Details later. Newsprint.

- o Winner will be individual with highest speed with no errors
for one minute timed from the first character sent.

K5F0 will provide first place trophy.

This is for fun. The high speed receiving run is going to take a more
serious environment than we want at the NorCal section.

Start practicing now..... I am working Sept and Oct on this alone
during the Sabattical..... ;-)

FYI

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